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# WEEKLY RETURN

OF

# BIRTHS AND DEATHS IN LONDON

AND IN

#### TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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WEEK ENDING SATURDAY, JANUARY 5.

[Price 11d

General Register Office, Somerset House, 7th January, 1889.

#### TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 22.7 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—.

		Weeks	ending			7.20	Weeks	ending	E BI
Towns.	Dec. 15.	Dec. 22.	Dec. 29.	Jan. 5.	Towns.	Dec. 15.	Dec. 22.	Dec. 29.	Jan. 5.
Birkenhead Birmingham Blackburn - Bolton -	17.6	22·0 28·9	20·3 15·7 29·8 23·9	22·1 39·2	Liverpool - London - Manchester Newcastle-on-Tyne*	17·7 24·1	22·0 25·0	24·9 20·0 25·1 23·3	21·4 28·0
Bradford* - Brighton - Bristol - Cardiff* - Derby -	17·9 13·9 15·0 25·0 17·9 11·7 20·5 14·2	19.5 17.0 20.5 32.2 13.6 15.0 20.5 18.1	18.6 16.5 12.9 30.8 12.5 22.1 28.5 12.9	22·0 12·9 21·4 32·9 21·7 20·6	Norwich Nottingham - Oldham Plymouth - Portsmouth - Preston	18·4 19·7 21·5 17·5 18·7 21·2 18·6 18·0	24·0 21·9 23·0 24·2 17·2 24·3 23·3 19·9	15.6 16.7 24.5 31.6 19.1 23.7 22.4 24.3 22.5	23·2 20·6 23·8 21·3 23·3 27·0 23·8 20·3
Leicester* -	Constitution of the last	March and Change		23.2		The Control of the Co	Section 1	27.5	

The highest annual death-rates, measured by last week's mortality, were:—from measles, 2.0 in Leeds, 2.3 in Bristol, 2.7 in Bolton, 2.8 in Huddersfield, 3.1 in Leicester, 3.6 in Salford, 3.8 in Liverpool, 4.2 in Cardiff, and 6.0 in Blackburn; from scarlet fever, 1.0 in Manchester, 1.4 in Sheffield, and 3.0 in Blackburn; from whooping-cough, 1.3 in Blackburn, 1.4 in Cardiff, 1.5 in Preston, 1.7 in Birmingham, and 2.8 in Norwich; and from "fever," 1.0 in Hull and in Birkenhead, and 1.1 in Salford. The 50 deaths from diphtheria in the twenty-eight towns included 33 in London, 4 in Manchester, 4 in Salford, and 2 in Nottingham. No death from small-pox was registered in any of the twenty-eight great towns.

LONDON.

In London 2855 births and 1784 deaths were registered. Allowing for increase of population, the births were 228, and the deaths 176, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 22.0 and 20.0 in the two preceding weeks, rose again last week to 21.4. During the thirteen weeks of last quarter the death-rate averaged 18.9 per 1000, and was 2.1 below the mean rate in the corresponding periods of the ten years 1878–87.

The 1784 deaths included 143 from measles, 12 from scarlet fever, 33 from diphtheria, 32 from whooping-cough, 14 from enteric fever, 1 from an undefined form

A 57026.-1. 610.-1/89. Wt. 14.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salf and and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Gardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

of continued fever, 11 from diarrheea and dysentery, and not one from small-pox, typhus, or cholera; thus, 246 deaths were referred to these diseases, being 10 above

the corrected average weekly number.

No death from small-pox was registered, the corrected average being 13. small-pox patients were under treatment during the week in the Metropolitan Asylum Hospitals, and only 2 in the Highgate Small-pox Hospital. The fatal cases of measles, which had been 184 and 147 in the two preceding weeks, further declined last week to 143, but exceeded the corrected average by 89; 9 belonged to Fulham, 11 to Bethnal Green, 5 to Newington, 5 to Bermondsey, 21 to Lambeth, 20 to Battersea, and 13 to Camberwell sanitary areas. The 12 deaths from scarlet fever showed a further decline from recent weekly numbers, and were 24 below the corrected average; 2 belonged to Camberwell sanitary area. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 742 scarlet fever patients, against numbers declining in the seven preceding weeks from 980 to 791; 60 cases were admitted during the week, against numbers declining in the five previous weeks from 96 to 44. The fatal cases of diphtheria, which had been 39 and 34 in the two preceding weeks, further declined last week to 33, but exceeded the corrected average by 14; 3 belonged to Kensington, 2 to Hammersmith, 4 to Westminster (including 2 hospital cases admitted from 63, Coburg Buildings), 2 to London City, 3 to Lambeth, 3 to Wandsworth, and 2 to Camberwell sanitary areas. The 32 deaths from whooping-cough showed a further increase upon the low numbers in recent weeks, but were 46 below the corrected average; 16 occurred in South London, of which 4 belonged to Bermondsey, 3 to Camberwell, and 5 to Greenwich sanitary areas. The 11 deaths attributed to diarrhaa and dysentery showed a further decline from the numbers in the two previous weeks, and were 2 below the corrected average.

The deaths referred to enteric fever, which had been 18, 12, and 8 in the three preceding weeks, rose again last week to 14, but were 5 below the corrected average; 2 belonged to Hammersmith, 2 to Hackney, and 2 to Camberwell sanitary areas. The Metropolitan Asylum Hospitals contained 65 cases of enteric fever, and not one of typhus on Saturday last; 2 cases of enteric fever were admitted

during the week, against 6 and 4 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 440 and 412 in the two preceding weeks, rose last week to 484, but were 67 below the

corrected average.

· Different forms of violence caused 61 deaths; 54 were the result of negligence or accident, among which were 19 from fractures and contusions, 8 from burns and scalds, 5 from drowning, 3 from poison, and 17 of infants under one year of age from suffocation. The 19 deaths from fractures and contusions were thus caused:-2 by accidents from vehicles in street; 2 by accidents on railway; 1 by fall from window; 2 by fall from chair or seat; 2 by fall in passage or yard; 1 by fall from ladder; 3 (1 intoxicated) by fall down stairs; 1 by fall down coal lift; 1 by fall of scaffolding; 1 by fall of matting; 2 by fall, the nature of which was not stated; and I (intoxicated) by fracture, the cause of which was not stated. An inquest was held in each of these 19 cases.

The deaths of two reputed centenarians were registered last week; one, in Whitechapel, was of the widow of a fishmonger, whose age was stated to be 100; and the other of a retired sawyer in Camberwell, who was said to be aged 103 years.

#### GREATER LONDON.

In Greater London 3733 births and 2224 deaths were registered, corresponding to annual rates of 34.5 and 20.6 per 1000 of the estimated population. In the Outer Ring 18 fatal cases of measles, 8 of scarlet fever, 7 of diphtheria, and 6 of whooping-cough were registered. The deaths from measles included 5 in Croydon and 5 in West Ham sub-districts. Four of the eight deaths from scarlet fever also occurred in West Ham sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30°20 ins.; the lowest reading was 29°81 ins. at the beginning of the week, and the highest 30°54 ins. on Thursday evening. The mean temperature of the air was 31°8, and 6°2 below the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably below the average on each day of the week, the coldest day being Saturday. The general direction of the wind was N.E., and the horizontal movement of the air averaged 5°4 miles per hour, which was 7°6 miles below the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine in the week was 3°2 hours, against 13°5 hours at Glynde Place, Lewes.

	CITTER	AND BOROUGHS,	Cols.	- 28 TOWNS.	LONDON.	PORTSMOUTH.	NORWICH.	PLYMOUTH.	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	LIVERPOOL.	BOLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURN.	HUDDERSFIELD.	HALIPAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	NEWCASTLE.	CARDIFF.	EDINBURGH.	GLASGOW.	Doblin.
	RAINFALL.	In Centi- metres.	24.	0.48	00.0	20.0	1	00.0	0.03	,		0.03	1	0.53	1	1		1	•		1	0.02	1	,	80.0	80.0	3 1	0.03	98.0.	0.30
	RAII	In Inobes.	23.	0.18	00.0	000		00.0	10.0	,	1	10.0	1	60.0	-		1	1				0.05	1	1 0	0.03	0.03	3 1 .	10.0	0.14	0.15
E AIR.	80.	dentigrade.	22.	0.44	11.0-	00.7	1	2.89	-1.55	1	1	-1.20	1 1	29.0	-		1		1		1	2.50	1	1 000	-0.39	41.1		2.72	2.26	68.1
HI 40	Mean.	stiednerds.	21.	32.8	81.8	1 10	1	37.2	_	,	1	29.3	1	33.2	1			-	1 1	1	-	36.2	1		21.8	34.1	-	6.98		34.5
ATURE	-	t Lowest	20.	19.5	24.5	0 1	-	9.18		1	1	0.13	1 1	2.22	-	1	1	1	1 1	1	1	28~	1	-	0 22	6 0.96		0.53		
TEMPERATURE OF THE AIR	.3	Highes Tahrenheit	19.	45.2 1	40.0		-	45.2 3	38.0 5	1	-	38.6	1 1	2 0.17	1	1	1	1	1 1	1	,	42.9 28	-		0 60	43.0		45.5 25	-	48.6 21
-	ding -	Diseases in Cols. 6-12.	18.	3.4 4	6.0		-	3.0	0.0	3.3	-	2.6 3.5	2.0	_	4.1	2.4	2.9	0.0	2.2	8.4	9.0	2.0 42	4.4	7.0	-	_	-	0.4 45	-	1.8 48
Annual per 100	corresponding to the Week's Deaths	From All Causes.	17.   1	1	4.12	100	23.5		0.61	-	23.5	- 1	-	414	75.9	-		1		7116					3	200				
-		officertification of the season of the seaso	16.	86 22	26 21	123	63 6	1 2 2	19	4 22	-	2 20 2 10 2 10 2 10 2 10 2 10 2 10 2 10	133		25	288	20.00			Nul	50.6	. 22.0	-	0 02	-	20.1		16	28.2	31.
		Deaths in sildud and in sildud and inciduditen!	15. 1	642	2 2 2	4	4 3	10	00	26	4 0	1	2 64	09	63	38	0 -	4	0 00	1 2	2 2	- 1		21 2	300	9	12 2	-	39 32	
		Inquest Case	14.	319 6	32 3	63	· · ·	0 03	70	21	65 x	0 9	0 67	32	4	16	00 0	2 -	H 00	1	-	-		395	20 20					
nde		Violence.	13.	162	1 19	П	1 0	9 71		12 , 21	4	4 c	0 -	99	1	9	67	1 ,	- oc	1	1	60			4 6.		9		6	
The DEATHS registered in the Week include		.sendrraid	12.	41	= -	-		H 1	1	63	1	1 ,	- 1	60	7	60	1 ,	7 0	n -	1	1	1	20	1 0	1 1	-	4	=	00	=
he We		F'ever.	Ħ	4	10 1	1	ri .	-	1	7	1 ,		- 67	63	1	4	20	1	1 1	1	-	1			# r-	. 1		1	8	20
red in	Deaths from	Whooping-	10.	108	32	-	10 -		1	15	c1 .	-31		10	1	4	07 ,	-10	n 00	-	1	10	9	7 1		1 00	00	1	15	10
registe	Death	Diphtheria.	6	20	33	1	1	1	1	-	1	27	1 1	-	1	4	4	-	1 -	1	1	1	4	٠,	1 1		1	-	4	1
EATHS		Scarlet Fever,	00	64	12 1	1	1	-	1	63	1 0	77 7	- 1	6	-	1	00 0	1 17	- 1	1	1	-	4	o 0	23 1		H	1	1	1
The D		Measles.	-	314	143	63	1	10	1	00	6	00	1 -	4	9	12	16	10	14	10	1	63	14	To	1 1	1	6	-	1	1
	=	Small-pox.	6.		1.1	1	1.	L	1	1	1	1	1 1	-	1	1	1	1	1	1	1,	4	1	1	1 1		-	1	1	1
	Deaths of	Persons aged 60 Years shawqubna	5.	982	447	18	16	28	7	39	6	23 2	202	54	16	52	14	6	9 5	6	6	25	43	22	207	6	00	27	19	28
	De	Infants under I Year of Age.	4.	892	872	14	13	20 02	00	47	23	2	00 M	76	10	33	19	16	10 01	12	10	18	36	33 9	12 12	18	77	18	72	28
ed during	x ending	DEATER	83	4161	1784	63	42	94	30	193	29	94	41	344	24	203	101	65	91	40	32	66	176	127	90	62	12	98	288	212
Registered during	the Week ending 5th Jan., 1889.	BIRTHS.	2.	6148	2855	101	64	149	59	324	82	126	66	879	61	252	114	73	8.00	55	45	120	241	022	64	100	108	141	334	232
	Population estimated	to the middle of the Year 1889.	1,	9,555,406	4,351,738	141,253	94,510	78,225	82,544	454,835	150,520	287,812	109.541	606,562	114,670	878,800	234.283	142,405	104.194	92,825	81,080	235,056	857,449	909 017	184,193	160,988	112,712	266,900	528,144	253,082
1	100	100	Cols.						MOL											. A										
	CITIES	AND BORUUGHS.		28 TOWNS	LONDON .	PORTSMOUTH	Norwich .	PLYMOUTH -	WOLVERHAMPTON	BIRMINGHAM	LEICESTER *		RIPERBY RIPERBY	LIVERPOOL .	BOLTON	MANCHESTER		OLDHAM	PRESTOR -	HUDDERSTIELD	HALIPAX .	BRADFORD*	Surprier.	Hur.	SUNDBREAKD	NEWCASTLE*	CARDIBY.	EDINBURGH -	W	· OUBLIAN ·

Table 2. LONDON.—Births and Deaths Registered in the First Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1868	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births Males Females .	2899 1471 1428	2570 1278 1292	2918 1533 1380	2799 1412 1387	3044 1588 1506	2926 1503 1423	2816 1415 1401	2653 1335 1318	2804 1366 1438	2845 1484 1361	3082·6 1563·1 1519·5	2855 1481 1874
Total Deaths  Males Females .	1900 894 1006	1754 867 887	1510 751 759	1858 983 875	1556 831 725	1663 844 819	1956 945 1011	1784 916 868	2127 1028 1104	1868 944 924	981·2 979·0	1784 905 879

<sup>\*</sup>The numbers in this column are the average weekly numbers in the first weeks of the ten years 1879-88, raised by 9.040 per cent. for increase of population.

TABLE 3. L()NDON.-BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE	3. LUNDONI						ONOLU	-						-
		Oct. 13.	Oct. 20.	Oct. 27.	Nov.	Nov. 10.	Nov. 17.	Nov.	Dec.	Dec.	Dec. 15.	Dec. 22.	Dec. 29.	Jan.
TOTAL	Births	2588	2459	2666	2373	2770	2606	2722	2367	2644	2291	2655	1876	2855
TOTAL	Deaths	1536	1641	1737	1613	1520	1619	1409	1352	1461	1455	1802	1641	1784
	0-20 years -	720	777	849	770 189	769 186	825 179	724 167	701 164	765 177	720	888 197	779	825 204
Ages at	40-60 ,	264	297	293	275	227	284	212	217	243	247	286	277	308
Death	60-80 ,, -	273	297	325	310	288	260	257	223	228	251	356	335	366
	Lat 80 years & upwds.	60	73	71	69	50	71	49	47	48	<b>5</b> 9	75	77	81
	Under 1 year	388 263	397 277	423 329	383 297	400 281	377 332	342 292	327	375 296	307	390	345	372
99	5-20	69	103	97	90	88	116	90	288	290	314	375	93	338
						1			00		-	120	30	110
Deaths fe	om Small-pox	-		1	1	11/2/8	1	14 30	1000	15-66	13200	TO US	100	1
man	Measles	50	80	100	88	109	124	133	141	139	154	184	147	143
the second second	" Scarlet fever -	30	33	25	24	18	31	20	24	30	17	25	20	12
The second second	" Diphtheria -	26	36	31	32	34	44	41	34	35	39	89	84	88
,,	" Whooping-cough	18	12	18	19	15	17	19	20	13	14	25	28	32
39	" Typhus	70	70	-		1	-	1		1	-	-	-	-
23	" Enteric fever SimpleContd fever	13	19	17	22	14	15	15	11	12	18	12	8	14
99.	" Diarrhoea and)	1777/2014		1	-		-	1	1	-	-	-	-	1.
	Dysentery -	43	42	30	34	18	16	18	13	19	11	16	14	11
,,	" Cholera	2	-	1	5	-	-	-	1	-	-	-	-	3233
"	", all the above- mentioned Diseases	183	223	225	220	208	247	248	245	249	253	301	251	246
"	" Dis. of Respira- tory System	311	364	522	441	373	374	287	258	277	330	440	412	484
93	" Phthisis	175	180	157	149	126	152	132	136	144	160	158	152	154
37	,, Dis. of Circula- tory System	138	152	129	138	133	108	105	96	101	109	127	130	160
Violent I		60	51	57	59	50	60	48	54	62	40	81	52	61
Inquest C		116	109	120	117	110	117	105	103	120	86	154	107	132
FI PACINE	Public Institutions	346	367	395	369	346	371	311	311	302	353	395	385	360
TEMPERA Mean	TURE OF THE AIR	45.0	43.5	49.2	50.3	42.1	50.5	49.0	45.7	49.1	38.3	40.4	42.5	31.8
	of Highest readings - of Lowest readings -	54.7	53.4	58.5	54.7	47.0	55.4	58.4	49.6	54.0	38.8	44.4	47.3	36.1
YALLERO.	THE REPORT OF THE PARTY OF		7.3		S VO	31 1	10-2	14.9	41.6	43.6	27.9	36.0	36.6	27.1
The state of the s	y of the Air	79	87	89	92	86	89	81	89	87	93	94	90	93
100000000000000000000000000000000000000	in inches	0.02	0.00	0.00	2.68	0.50	0.40	0.11	1.77	0.17	0.00	0.18	0.66	0.00
Registere	ed Sunshine (in hours)	24.6	24.5	25.5	3.8	12.5	8.6	6.2	6.0	11.5	3.8	6.2	4.6	3.2
	CONTRACTOR OF THE PARTY OF THE		1000			1 2 0								10

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., F.R.Met.Soc., Brighton; hampton Merrifield, Esq., I.L.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton. Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

## Deaths from different Causes.

TABLE 4. LONDON .- DEATHS Registered at several groups of Ages from different Causes in the

CAUSES OF DEATH.		7 1934		100	911	E	IRS	T	Vee	k o	the Year 1889.			The state of	1	100		180		T
CAUSES OF DEATH.		the		In	the day,	Wee 5th	k en Janu	ding	1889.			the		Satu	In th	e W	Janu	ndir	g 1889.	No.
ALL CAUSES - 1000'2 1784 372 333 115 204 308 305 51  Small (Vaccinated) 1970		10 yes	933	De				ns of				es for		D	eaths	of E	erso	ns of		THE REAL PROPERTY.
ALL CAUSES - 1960*2 1754 972 383 15 204 303 305 51  Small- (Dysociated) 120		rerag		1 0	Inde	-	40.	60.		pro	CAUSES OF DEATH.	verag of the 19-88.	1	1	Unde	110			000	pa
All CAUSES - 1000'2 1784 572 338 115 204 508 505 51   Spend Sense   Spen	CAUSES OF DEATH.	ed A eeks	DES.		20.		under	nader	under	rds.		ed A eeks 187	GES.	-	20.		under	nuder	nuler	
All CAUSES - 109002 1784 372 33 \$115 294 305 305 81   Diseases of Oreans of Special Sense f - 2 3 5 2 - 3	Second area	orrect 1st W		-1-	-9-	-20.	and	and	and		201	orrect 1st W		-1-	-6.	-20.		and	and	
Special Sense   190		0		1			1	1	1			0	4	1 3	1-	5	23	13	36	10
Small   Convenient   1370   Small   141   152   107   Small   141   152   15	ALL GAUSES	1960.2	1784	372	338	115	204	308	366	81	Diseases of Organs of Special Sense †}	2.3	5	2	-	8	-	-	-	-
No statement   No s	Small- Unvaccinated	}13.0	-	-	-	3-1	-	-	-		Diseases of Circulatory )	144.7	160	2	1	3	19	49	76	104
Searlie Fever   S37   12	(No Statement	54.1	143	28	107	- 8	-	-	-	2				-			-	110	-	
Pleurisy	Scarlet Fever	35.7	No. of Concession, Name of Street, or other Designation, Name of Street, or other Designation, Name of Street,	-	7		-	1	-	-	Bronchitts	357.8	324	68	45	10		51	113	
Tathographic	The second secon	THE REAL PROPERTY.	200	-	3	1	-	10	-	10	Pleurisy	6.2	8	-	1		1	1	4	1
Distribution   1878   33	Influenza			-	-	-	14	1	1	-	ratory System}	52.6	81	8	3	2	2	6	9	1
Section   Sect	The second secon						2	-	1	1	Dentition †	19.1	14	5	9	-	-	1	-	-
Diseases of Livery	Simple Continued and)		880			-		76	100	150		5.8			1		i	1		
Distribution   Dist		19.4	14	-	. 1	5	6	2		14	Diseases of Liver	31.5	16			-	1	13		
Remittent Fevert	Cholera	The Party of the P	THE REAL PROPERTY.	-	-	-	-	-	-	1	Digestive System -}	33.4	26	17	4	3	5	1	2	1
Gianders			-	0	2 -		-	1	-	1000	Diseases of Lymphatic	1000	9/10			TO S	300	-	14.	70
Compost and Effects of Vescension f	Hydrophobia		2000	-	-	1	19	-	-	-	System & of Duetless Glands †	2.3	1	-	1	1	-			-
Vaccination   -   Vaccinatio	Cowpox and Effects of)		00	1	-	1	1	-	100	100	Diseases of University		190	111	-	275	The state of		-	-
Erysipelas	Vaccination † 5			3		050	30	3	1	270	System}	43.7	44	1	2	1	10	17	12	3
Pherperal Fever   9:1   2   -   2   -     Accidents of Childbirth   4:5   6   -   -   6   -   -	Erysipelas	8.3	-3	-	-	-	-			1000	Diseases of Comments			100			1	16		188
Thrush -   1'0   2   2   -   -	THE RESERVE OF THE PARTY OF THE		WASTER TO	1		1		-			System [		STREET, SQUARE,	1	1	-		2	2	-
Thrush	A SECURE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.			1	1	-		129	1			1000		100	-	-	-	74.8		
Worms and other Para-   aitical Diseases -   0.5	Thrush	1.0	2	2		To the		1	-	100	System †}	8.7	7		-	5	-	2	-	-
Starvation, Want of Breast-milk †	Worms and other Para-	0.5		-	-	-	-	4			Diseases of Integumen-	Kew							0	
Rheumatic   Fever.   Rheumatic   Fever.   Rheumatic   Fever.   Rheumatic   Fever.   Rheumatic   Fever.   Rheumatism of Heartf   Rheumatism of Heartf   Rheumatism   - 3.8	The second second		1		1	-		-	4	-	tary System}	5.5		-	-	-	-	-	-	15
Religious   Resumation   Rever   Rise matism of Heart   Rise matis	Starvation, Want of Breast-milk †}		3	3	-	-		-	-	-	VIOLENT DEATH		1				S. W.			1
Rheumatism of Heart†   8*4	Alcoholism	2.8	10	-	-	-	1	8	1	-			1	100		18/3		1		
Rheumatism of Hearty   Rheumatism t	Rheumatic Fever, 1	8.4	6	-		3	1	1	1		Fracture and Contusion		19	1	2	1	2	7	5	1
Gout				-	-					1	Cut, Stab	0.5	- 8		3	- 5		-	-	1
Riccets	STATE OF THE PARTY	The second		-	-	-	-	1			Poison	2.2	3 5	1		-	-	1	-	-
Tabes Mesenterica - 24 6 19 12 4 3	Market Street,			1	3	-		91	-	-	Suffocation	51.0	19	17	1	-	-	=	1	-
Tabercular Meningitis   24 9	Tabes Mesenterica -	-		12	4	3	-	-		-			-		-	-	-	-	-	-
Serofula, Tuberculosis -   13°3   19   4   5   4   5   1   -	The second secon	100		_		2				200			1000	1969	1	434	1			100
Other Constitutional Diseases   11.4   10   1   - 2   - 6   1   -   (SUICIDE.)  Premature Birth -   38.9   38   33   -     -     -		The state of the s						100	8		Murder & Manslaughter	1.3	1	1	50	-		-	1	38
Premature Birth - 33 9 88 33	Other Constitutional		1000	1	-		-	120	1	1/2	(Suicipe.)	19 518	190		-	133	3	100		-
Atelectatis 7 - 21			1	-	-	-	-		1		Gunshot Wound			1	-	-		-	-	-
Congenital Malforma- tions					-	-	-	-	-	-	Poison	1.9	3	4	-	-	1			1 1
tions	Congenital Malforma-		100	-	N.T.	-	-	-	-		Hanging	1.9	2	-	-	-	-	1	1	-
Apoplexy 54.6 41 4 15 21 1 Hanging 0.1	tions 5		1000	18-1		1	-	1	20	300		-	-		-	-		-	100	-
Epilepsy 7.6 10 3 4 1 2 - Other Diseases of Brain   Other Diseases   Other Diseas		-	-	-		-	-	-	-	-			100	V.			1		1	Park
Convulsions 57'1 45 41 4 Other Diseases of Brain)		4		-	-						Hanging	0.1	150		1	1	-		-	-
	Convulsions			41	4		-	1	-	100	OTHER CAPERS	65:0	60	51	9	1	,	9		
	and Nervous System	103.0	115	16	19	8	8	27	28	9	OTHER CAUSES	00 0	03	01		1	-	1		1

e numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9°048 per cent, for increase of population, the ten years average could not be correctly ascertained, the average for the even years 1882-8 has been used.

See cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When dieal attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered oner, the case is returned under the heading "no statement."

a vidence at inquests is, often insulficient to enable the Coroner to certify whether a violent death be the result of accident, murder, anyther, or suicide. All such cases are classed under "accident or negligence."

PABLE S. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarlet during the Week ending

			1			-	The	DEA	THE	egist	ared i	n the	Wee	kine	lude			
		2			h		110			Death	-					r		7
REGISTRATION SUB-DISTRICTS.	Enume- rated Fopu- lation, 1881.	Total Burns.	Total DEATHS.	Infants under 1   Tear of Age.	Persons aged 60 a	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteria (or Typhoid) Fever.	Simple con-	Diarrhosa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LONDON	3,815,704	2855	1784	372	447	-	143	12	33	32	-	14	1	11	61	132	360	26
WEST DISTRICTS  NORTH DISTRICTS  CENTRAL DISTRICTS  EAST DISTRICTS  SOUTH DISTRICTS  METROPOLITAN ASYLUM HOSPITALS OUTSIDE REGISTRATION LONDON	66#,433 905,847 282,238 692,738 1,265,148	438 620 183 537 1077	277 348 125 369 665	56 69 19 86 143	80 93 18 92 164		20 18 9 23 73	4 1 - 7 -	11 3 4 3 12	5 6 1 4 16	1 1 1 1 1 1 1	4 4 1 1 4 -	1	5 1 3 2 -	7 11 8 19 16 -	16 29 13 42 32	66 76 35 97 86 -	3 1 1 - 21
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.  Kensington Town Ww - W.M.  W.M. W.M.	89884 37330 120111 48010	57 12 67 15	27 13 52 11	8 1 12 3	9 1 16 5	11 11	4 -	11 11	- 8 -	1 -		1 -	11.11	2 -	2 1 2 -	1 2 -	4 7 13 2	11 11
Brompton H  St. Peter Hammersmith St. Paul Hammersmith H  W.M. & G.J. Fulham Www	7899 64340 42900 8)396	6 54 70 22	1 24 34 10	6 7 4	8 7 2	1111	9	1111	1 1 -	1 1		2 1	1111	1	1	3 1	8	î.
Chelsea South HHH Chelsea North-west WHHHHHH C. C. Chelsea North-east WHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	21925 32807 80853 59220 85496	17 26 10 32 26	15 10 15 21 15	1 2 2 1 4	7 2 7 5 5	111111	2	11111	4	111111		11111	11111	1 1 1	1	1	6 9	11
St. Margaret Westminster H - C. St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N R.	24679 29941 18608	10 9 5	14 9 6	3 2 -	1 1	10.1.1	1 1	111	2 -	1.1.1	1000	-		1	111	1	6 1 1	1.1.1
NORTH DISTRICTS.  All Souls Marylebone HHHHH - W. M. Cavendish Square HHHHH - W. M. Rectory Marylebone WH G.J. & W. M. St. Mary Marylebone H - W. M. A. John Marylebone H - W. M.		11 7 16 30 18 21	21 2 8 6 16 13	2 - 3 2 5 6 3	6 1 - 1 4 8 5		2	111111	111111	1		111111	1 . 1 . 1	A L L L L L L L L L L L L L L L L L L L	1 - 1	1 - 4 -	12	111111
Hampstead     WwwHIHH   N.R. & W.M.   Regent's Park Pancras   H - V.M.   Tottenham-court   wHHHH   N.R. & W.M.   Gray's   Ina   Lane   HHH   - N.R.   Somera Town   H N.R.   Camden Town   WH N.R.   & Keutish Town   W N.R.   & Keutish Town   W N.R.   & Keutish Town   W - N.R.   & Keutish Town   &	45452 39115 27729 30247 34369 17811 87487	33 21 5 9 27 14 68	15 22 10 9 11 36	1 1 2 2 5	7 8 - 2 7 12		1 1 - 8	1	1	7				1	1 1	3 1 2 2 2	4 - 13 5 1 7 8	4 111111
Upper Holloway WWwH - N.R. Islington South-east HH - N.R. (slington South-east - N.R. N.R. Highbury H - N.R. Stoke Newington H - N.R.	67946 100976 61835 52048 22781	48 82 44 27 20	32 29 20 16 13	10 7 3 5	8 2 5 4	11111	1 1	1111	1	1 2 -	1111	1	1	1111	1 - 1	3 1 2 2 1	10	1111
Stamford Hill  West Hackney H Hackney Wowwth  South Hackney - E.L. &N.R.  CENTRAL DISTRICTS.	9277	6 25 55 88	2 13 35 8	1 4 1	2 2 10 3	1111	5 1	- 180 -	- 1	i	1111	2		1111	1	2 3 1	14	111
St. George Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North N.R. St. Martin-in-the-Fields HH N.R. & C.	16681 14864 18837 17509	7 33 9 8	3 9 6 7	1 1	2 - 1	1111	1 2		1111	1111		111	100	1111	1 -	1 2 -	4 - 2	111
St. Clement Danes H - N.R.  Strand Union Workhouse, Edmonton w.	7515 8559 —————————————————————————————————	- 9	3 5 - 8	1 2	2 -	1 1	11111	11111	1			1111		1111	1	1 1	7	1 0 4 9 1
St. Andrew Eastern   St. Andrew Eastern   H   St. James Clerkenweil   N. R. Anweil Clerkenweil   N. R. Fentonville   N. R. Gaswell-street   N. R. Clty-road HHL   N. R. K. Whiteeross-street   N. R. K. R.	10708 6533 17516 19231 14773 17606 11541 18628 9217 7458	7 3 8 16 14 7 12 18 7 4	5 4 2 7 6 9 2 5 7	1 2 1 2 - 3 -	1 2 3 2	111111111	1 2 2	. I . I . I . I . I . I . I . I . I . I	111111111111	11111111111	2 16111111	THE PERSON	111111111	11-11-11-11	1	1 1 1 1 1 1	1 2 2 2	1
Holborn Union Workhouse, Mitcham, w. St. Botolph H - N.K.&E.J., Cripplegate - N.K. & St. Sepulchre H - N.K. & St. Bride W - N.K. & J. K. & J. & J. & J. & J. & J. & J	11174 7193 5358 8396 13666	7 2 3 2 5 2	2 5 19 5 6	1 111	1 1 2 7	ELLER T		111111	2	111111	. 1 1 1 1 1 1 .	1	13.11.11	2111111	116111	11.00.11	16	111111

NOTE.—The Italia latters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Work-house H-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving immates from other Districts than that in which it struct see not; at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts: -G.J. signift and Junction Company; W.M. West Middlesex; C. Chelesa; S. Southwark and Vanthall; L. Lambeth; N. R. New River; E.L. East London; and K. the Kent Company.

FEVER, DIPHTHIRIA, WHOOPING-COLCH, FEVER, DIADEHGA, VIOLENCE, &c., registered in each Sub-district

Saturday, the 5th January, 1889.							Th	DE	THE	regist	ored	in the	Wes	k ine	lude			
	Enume-			Deat	ths of	ı				Deat						ī		_
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total Bintus.	Total DRATEE.	Intanta under ! Year of Age.	Persons aged 60 Years & unwds.	Small-pox.	Measles.	Mearlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Ferm.	Simple con-	Diarrage.	Violence,	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes of Death.
RAST DISTRICTS.  Unlywell Shoreditch - N.R. & E.L.  1. Leonard Shoreditch - M.P N.R. Hoxton New Town w - N.R. Hoxton Old Town - N.R. & E.L.	7376 14967 29987 28086 46275	8 19 28 8	7 6 17 14 22	1 2 1 6 7	1 3 9 8 7	11111	311-2		1	1 1	juni	11111	11:11:1	11111	111	1 2 -	1 10 -4	11111
Creen, Bethnal Green WHL* Church, Bethnal Green - E.L. Town, Bethnal Green - E.L.	29738 47982 29981 19810	28 40 22 27	17 80 17 13	8 9 5 2	9 7 2 3	1111	5 12 3	1111	1111	177		1111	1111	1111	3 2	8 8 -	8 -	1111
pitalfields E.L. & N.R. Nile End New Town W N hitechapel Church H Coodman's Fields E.L. Aldgate E.L. N.R. & E.L.	22585 15473 17490 9713 6102	17 15 12 4 6	5 19 28 2 1	8 2 -	1 7 8 1	11111	11111	11111	11111	1111	1 1 1 1 1	11111	11111	1	6	7	13 22 -	11111
St. George's North E.L. St. John, St. George East: W - E.L.	88747 8410	88 7	17	2 2	8 5	1	1.		-1	-		-	-	-	-	3	7	
hadwell HH - E.L. N.R. Rateliff E.L. Limehouse E.L.	10895 16107 82041	12 6 22	10 8 8	1 - 3	1 2 2		1	- 1	1	1 -		1.1.1	-	-		2	6	Ē
Mile End Old Town West - E.L. Mile End Old Town East WwwH-E.L.	37960 67653	81 49	13 29	8 5	2 8	-	1	-	-	-	-	-	-	1 "	2	7	8	-
Bromley $vwH$ E.L. loplar $WH$ E.L.	87074 64859 55077	25 48 43	15 40 25	5 8 6	2 8 7	111	2	111	111	111	-	1	-	1	2 1	1 4 4	1 18 4	
South Districts.  Christchurch Seuthwark WH L. & S. S. Savious Southwark - S. Rent-road WH - S. & L. London-road WH - L. & S. London-road HL - L. & S. Linity Newington - L. & S. S. Peter Walworth W - S. & L. Mary Newington - L. & S.	18668 14999 31881 15958 21318 26672 59555 21628	10 18 20 17 15 18 75	7 5 12 14 6 12 23 13	1 1 2 4 - 4 8 5	5111262	1111111	1 1 1 01 01 01 01 0 1	1		111111	The state of the s	1111111	11111111		Himir	1 1 1 1	3 - 2 -	2
St. Olave WH 8. at L.  Leather Market - 8. at L.  St. Mary Magdalen W - 8.  St. James Permondsey - 8.  Rotherhithe WH 8. at K.	31956 16800 15669 54688 86024	7 10 18 42 24	26 8 14 20 28	1 1 2 4	8 2 8 7 10	1111	822	1	1	8 1 1	11111	-	11111	11111	2 2	3 - 3	15 2 7	111
Waterloo-road 1st   H -   L, & S.   Waterloo-road 2nd   H -   L, & S.   Lambeth Church 1st   H -   L, & S.   L & S.	15195 16851 19876 39859 45282 35882 62887 19017	12 19 13 50 29 14 87	10 9 19 29 20 15 15	2 - 864248	2 1 9 6 7 4	1111111	1 6 5 2 1	1	111111	1	11111111	1	11,611,111	1111111	2 - 1	1 1 1	1 86 1 1 1	1 8 - 1
East Batterea   Wu H -   S.   West Batterea   Wu H -   S.   Clapham H -   S.   Wandaworth   WHL -   S.   Streatham -   L.	54675 52587 36850 28004 18235 25558	48 60 21 80 7 27	81 ° 84 18 12 2 15	7 11 1 8 1 5	5 5 10 8 1	111111	11 8 1 1 -	111111	2 - 1	Distri-			11111	111111	-	1 2 1	6 1 4 -	1
Dulwich Camberwell WwL*L* S. & L. Peckham W S., L., & K. St. George Camberwell L. & S.	5590 59104 71089 50810	8 51 50 51	53 87 29	9 9 6	1 19 7 6		- 2 9 2	1	ī. ī	2 - 1		î -		1 1 1	1	1 1 2	17.	1 8 1
St. Paul Deptiord ove - K. St. Nicholas Deptford K. Greenwich West H K. Greenwich East WHH - K.	76782 7901 21972 24608	75 6 16 31	42 6 6 18	13 2 1 3	7 1 1 4	1111	1	3	1	3 1 1	1111	17.17		1	8 -	4	3 - 4	1
Eltham $H$ K, Lec $H$ K. Lewisbam $WH$ K. Sydenbam $H$ L.	5048 21559 19865 26076	8 10 28 15	- 8 11 4	1 2 3	8 4 1		1111	1111	1111		1111	1 1 1	- (		1111	1	- 2 -	1111
Charlton H K, Woolwich Dockyard K, Woolwich Arsenal HH !K, Plumstead, West H K, Plumstead, East W K,	10930 17617 19048 14009 19241	4 16 19 11 25	5 7 4 14	1 6	2 - 2 - 4	11111	11111	11111	1	11111					ī 1	2	5	11111
Metropolitan Asylum Hospitals:  Dartford w Winchmore Hill w	=	1 6 1			-			-			-	-		-		-	-	1111

The monowing Workhotts Establishments receive infinates non-other districts than the one in which they stand, and are indicated in the above Table by w:-

we convine Workhouse kanahusanenis (sees) inhatch lich of ve lable by se:—

Marylebone infirmary in Kenaington Town sub-distries. Holborn infirmary in Upper Holloway sub-distries.

Holborn infirmary in Upper Holloway sub-distries.

Mille End Old Town Kestern sub-distries.

Mille End Old Town Kestern sub-distries.

Mille End Old Town Kestern sub-distries.

Private Lunstie Asylums in which pupers are received.

Stepney Workhouse in Bromley sub-district.

Poplar & Stepney Siek Asyjum
Westminster Union Industrial School in West Baverses sub-district.

Strand and Holborn Workhouses outside Registration London.

Bt. Saviour's Infirmary in Cambervell sub-district.

Metropoutan Asymm District Hospitals in Farence, Thampstead, Hackney, Britton, and St. Paul, Depthord sub-districts, and in Dartiory.

Edmonton, and West Ham sub-districts outside Registration London,

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

2.5				Weel	endi	ing Sa	turda	ıy, 5t	h Jar	nuary	, 188	9.						
Regis-		Area			1	1_			The D	EATHS	regist	ered li	n the	Week	include	,		
District		Acres,	Enume-			Dea	ths of				Death	s from						
and Sub- listrict Num- bers.	REGISTRATION SUB-DISTRICTS,	including Tidal Water and Fore- shore.	Population, 1881.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhosa,	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Cause
LON	DON-OUTER RING	370,924	950,957	878	440	102	120	<i>0.1</i>	18	8	7	6	2	2	20	31	57	14
30:1	Carshalton wL	12928 9971	21118 10710	12 4	10 5	-	. g 8	-	-	-	-	-	-	-	-	-	9	-
.37:1	Godstone (part of) * -	2754	1235		1	-		-		-	-	-	· ·	1-	-		1	-
38:1	Croydon WwHHL - Mitcham w †	20351 11697	101241 17932	65 14	89	7 2	12	-	5	-	1	1		-	3 1	. <u>4</u>	5	1
39:1 2 3	Wimbledon HHH - Kingston WHH Esher (part of) * -	8220 8549 6301	15950 36354 9221	17 24 6	6 15 1	1 8 -	1 2 -	- 1	1 -		-	1.1.1			- 1	61 -	4	1
40:1	Hampton $H$ Richmond $WH$	4573 2272	18539 21302	18 12	10	1 . 2	4		1	-		-		-	1		1 3	2,2-
- 3 41:1	Mortlake Bromley (pt. of) * HH	2941 15659	12331 81142	9	12	3	.4	-	-	-	-	-	-	1	-	-	-	7
2	Chishrst(pt.of)* WHH	14307	15814	16	. '8	-	14	-2	-	1 -	-	-	7	-	-	1	1	-
42:1	Bexley H ~ Dartford (Ww, pts. of)*	13437	24134	12	10	-	2		4	-1,	-	'	-	-	1 -	1	1	1
124: 1	Sunbury & Staines W	11055 1827 <b>7</b>	1168 <b>5</b> 12089	11 17	4 7	2 2	1	-	-	-	-	1	-	-	-	-	-	
125:1	Hillingdon WHH - Uxbridge ~ Hayes wHL	6029 6178 14597	10302 <b>5225</b> 11523	7 3 7	6 2 5	1	4 - 2	- '	-	-			-	-,	-	1	2 - 3	1
126:1	Isleworth WHH - Twickenham H	7008 2477	23727 12479	12 5	12 5	4	8	-	-	-	1	-	-	-	-		3	-
8	Brentford HL Chiswick Acton wH	4345 1340 6083	27349 15975 22876	27 18 24	16 5 9	6 2	1 3	-	1		1	-	-	-	1	2		-
127:1 2 3	Harrow H Edgware H Willesden	13809 6994 4383	12798 3749 27453	9 8 41	3 -	1 - 8	5 1 2 85			10.17		- 1	-	3	1	1		
187:1	Hendon W Bushey Watford (W. pt. of)* -	8332 9331	10484 6621	8	3	-	2	-	-	1	-	-	-	-		-	2	-
128:1	South Mimms Barnet	15599 5433	6391 10092	1 4 4	2 3	1 -	1 2	-	-		1.	-	7 7	-	1	1	1	-
155:1	Finchief HL Hattield (part of) * -	4638 3806	17615 588	10 2	15	2	3		-	1	1	-	-	-	1 -	1	8	-
139:1	Hornsey H	3039 4642 7483 12653 11017 8480	37078 46456 23463 19104 5368 7785	18 76 28 27 4	10 25 10 7 2	1 8 3 3 -	4 7 4 - 1	1 1 1 1 7	1 - 2 1	1, 1, 1, 1, 1	1 - 1	2 -	1	1 1 1 1	2 1	3 2 -		2 t 1 1 1
186:1	Stratford	882 7351 4372 6530	38603 101058 32430 28869	37 127 41 30	12 62 26 17	5 13 6 6	1 11 9	-	5 - 7	1 4 -		- 1		1 -	2 3 1	2 5 1	1 9	- 5 7
1 1	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9639	2	8	-	-		1	-	1 -	-	1	-	-	1 -	- 1	2
2	Romford (part of) * W	6730 8198	3411 7645	1 10	1 3	-	1 2	-	-	-	-	-	-	-	1	1	1	-
3	Barking Town	4127	9203	13	5	3	1	-	-	-		-	-	-	-		12.5	2

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as (511) of ...

39: 2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37: 1., the parishes of Warlingham and Farley in Godsocas sub-district; 39: 3. Esher sub-district, except the parish of Esher (pop. 1933); 41: 1., Bromey sub-district, except the parish of Esher (pop. 1933); 41: 1., Chigwell sub-district, except the parish of Chelageld (2009. 347); 135: 1, the parish of Notziaw in Hatdeld 42: 2, Dartford, 187: 2, Watford, and 187: 1, Epping, sub-districts, deaths in Workhouses, belonging to Metropolitan Police District, 2 Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

5 Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 5th January, 1889.

	Area			L RATE			The DE	ATH	s regi	stere	d in t	he W	eek i	nelud	le	
GREATER	in Acres,	Estimated		O living.	DEATHS from	Deat	ths of			1	Death	s fro	na			ublic
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.	Deaths in Pu lustitution
Cols.	1.	2.	3.	4.	5.	6.	-7.	8.	9.	10.	11.	12.	13.	16.	15.	16.
GREATER LONDON	448,334	5,642,015	20.6	2.7	2224	474	567	_	161	20	40	38	17	13	81	417
INNER LONDON -	77,410	4,351,738	21.4	2.9	1781	372	417	-	143	12	33	32	15	11	61	360
OUTER RING .	370,924	1,290,277	17.8	1.7	440	102	120	-	18	8	7	6	2	2	20	57

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal o 709 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 Foreign Cities, having an estimated Aggregate Population of 16,249,573 Persons.

	2					Di	EATHS	FROM	PRIN	CIPAL ES.	ZYMO	ric
Cities.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS. of Stillborn.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœal Diseases.
CALCUTTA :	433,219	November 24	-		,		-	_	_	-		
BOMBAY	773,196	December 11	361	416	24.0	1	7	9	ģ.	2	135	40±
MADBAS	398,777	November 23	335	298	38.7	1	3	5	9	Б.	55	54†
PARIS	2,260,945	December 29	1136	1033	23.8	6	42	4	42*	2	21	43
BEUSSELS - (with 8 Faubourgs.)	462,069	., 29	264	187	21.0	-	9	1	_	2	7	16
AMSTERDAM -	390,016	,, 29	295	189	25.2	-	11	-	6	3	- 1	-
ROTTERDAM .	193,658	" · 29	147	87	23.3	1 1	_			2	1	
THE HAGUE .	149,477	,, 29	97	56	19.4					-	1	1
COPENHAGEN -	. 300,000	j 29	303	135	14.9	-	- 1	6	4	4		3
STOCKHOLM .	221,549	<b>22</b>	161	67	15.7	-	-	2	3*			6
CHRISTIANIA -	135,600	. 29	108	52	19.9	-	-		9*	-	40.	2
ST. PETERSBURG	842,883	" 22	(Learn .	433	23.7	-	1	18	6	1	9	73
BERLIN - "	1,438,006	,, 15	884	488	17:4	a	6	. 5	22	6	2	34
HAMBURG(State)	550,694	. ,, 22	381	238	22.6	-	-		10°	2	- 6	28
DRESDEN	259,142	" 22	145	88	17.7	5		-	5*	2		3
BRESLAU	<b>3</b> 13, <b>4</b> 51	, 29	212	148	25.1	-	1		12	-	1	7
MUNICH	275,000	,, 22	182	147	27.8	-	6	7-	7*	2	-	21
VIENNA	800,836	,, 22	439	387	25.1	1	3	7	8	-	8	29
PRAGUR	295,857	,, 22		155	27.3	7	3	1	13	2	2	1
BUDA-PESTH .	442,787	22	318	255	29 9	-	-	-	. 8	1	5	20
TRIESTE	156,042	i, 22		77	25.7	3	. <b>–</b> 1	·	de p		-	2
ROME	\$88,300	November 17	221	188	25.3	1		-	3	-	10‡	13
TURIF (10 days)	294.826	30	-	-		2 4	1	"			-	16.#
VENICE	-150.502	December 15	86	59	20.5	-	-		-			4
CAIRO	374,338	,, 13	481	815	43.8	i	2	1 2	1*	3	13	62
ALEXANDRIA -	231,396	13	223	179	40.4	-	100 m	-	-	-	11	48
NEW YORK -	1,493,000	n 15	-	684	23.9	_	19	34	23	20	10	9
BROOKLYB .	774,870	" 15	-	339	22.0	2	5	-2	17	8	4	2
PHILADBLPHIA .	1,016,758	,, 45	-	331	17:0	2		9.1	11	2	10	4
FALTIMORB .	431,879	p 15		161	19*5	- 1	-	1	4	2	6	2

<sup>\*</sup> Including deaths from croup.
† The deaths returned under "Diarrheal Diseases" include 6 from Cholera in Bombay, and 3 in Madras.
‡ Including 5 deaths from Malarial Fever.

TABLE 9. -METROROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 5rm JANUARY, 1889. Under the Superintendence of the Astronomer Royal.

Pressure on the Square Foot.   Robinson's.   Robinson's.   Collected Grant Foot.   Robinson's.   Collected Grant Foot.   Col	A Calm 903	The height of the eistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 6h. P.M. The means of the	experiencing of the baronices, the fifty build internuleuser, and the week out offeramoneter, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1878 for the baronneter, and during the twenty years ending 1878 for the baronneter, and thing the twenty years ending 1878 for the baronneter, and of the during the twenty years ending man reading of the dury build thermometer is combined the corrected mean of the reading of the maximum.	and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deluced from the mean daily values of the dry and wet bulb thermometers by classher's Hygro-	metrical 1201es.  The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1898, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.	In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.  The thermometers in the water of the Thames are suspended at a depth of two feet balow the control of two feet balow the control of the feet balow.	the STRINGO, The entropy of the Clerk of the Clerk of the Strength Cacula marked at Deploying and their resultings are registered by the Clerk of the Market, under instructions from the Corporation of London.  The record of Electrotity is derived from Thomson's self-registering Electrometer. The symbols employed are:——P. positive; N. regative; w. weak; m. moderate; s. strong, s. and	y, variable.  Y. Tariable.  Y. Tariable.  Y. Pariable.  Y. Pariable.  Y. Pariable.  Y. Pariable.  Y. Pariable.  Y. Pariable.  Your of the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.  The results of all the meteorological observations are to be understood as applying to the	civil day, or from midnight to midnight.  The reading of the barometer increased from 29.31 in. at the beginning of the week to 29.98 in.  19 19. A. M. on the 31st of December; decreased to 29.92 in. by 3h. P. M. on the same day;  10 10 10 10 10 10 10 10 10 10 10 10 10 1	OFILE BY SHATAM, OF VICTORY OF COMMENT, SAIN WESTCHESTEL OF SU UT IB. BY THE END
Pressure on the Square Foot.   Robinson's.   Square Foot.   Robinson's.   Square Foot.   Robinson's.   Square Foot.   Square Foot.   Robinson's.   Square Foot.   Robinson's.   Robins	37.5 N.E. & Calm 903 -1234	e height of the cistern of the barometer is 159 feet above the mean level of the section has been applied to the readings to reduce to sea level.  Servations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M.; The means	ings of the parometer, the ary pul netrupuneer, and the we's pulv iteranometed into mean daily values by the application of corrections deduced from a disculor prographic records made during the twenty years ending 1873 for the baromete the twenty years ending 1885 for the thermometers. With the corrected mean reyroulb thermometer is corrected mean reyroub thermometer is corrected mean reyroub thermometer is corrected mean reyroub.	oum thernometers, forming the mean daily walue of temperature of the free mean daily dow point temperature and degree of humidity are demonan daily walues of the dry and wet bulb thermometers by Glashier's Langean daily walues of the dry and wet bulb thermometers by Glashier's Langean daily walues of the dry and wet bulb thermometers by Glashier's Langean daily walues of the dry and wet bulb thermometers by Glashier's Langean daily walue and the dry and the	one.  ge temperature of the air is that derived from a discussion of the photograga temperature during the 20 years ending 1888, and that of horizontal moving a discussion of the anemometric records for the 16 years ending 1875.	the columns 9 and 25 it will be borne in mind that + indicates "higher; than the average," the property of the Thames are suspended at a depth of two feet the and of ano of the intrins of the Romain Cartie Mineral of the Romain Cartie of the continued of the series of the Romain Cartie of the continued of the Romain Cartie of the continued of the Romain Cartie of the continued of the Romain Cartie of the	a are registered by the Clerk of the Market, under instructions from a Liberticity is derived from Thomson's self-registering Electrometer Of Electricity is derived from Thomson's self-registering Electrometer Olyged are: —E. positive; N. negative; w. wwak; m. moderne; s. stron's self-registering Electrometer Constants.	in column 29, derived from the Campbell-Stokes Sunshine Instrument uration of bright sunshine on each day.	n midnight to midnight. the barometer increased from 29.81 in. at the beginning of the week to 29 the 1815 of December; decreased to 29.92 in. by 8h. P.M. on the sam is, by 9h p M. on the 3rd of January, and decreased to anon;	OFILE BY ORFICES OF ME OF OF OR OF ORFICES OF OF OFFICES
Pressure on the Square Foot.   Robinson's.   Square Foot.   Pressure on the Square of th	37.5 N.E. & Calm 903	e height of the cistern of the barometer is 159 feet above the mean level to clin has been applied to the readings to reduce to sea level.  Servations are usually taken at 9h, A.M., noon; 3h, P.M.; and 9h, P.M., The	ings of the parometer, her dry blue internometer, said the wes oute that into mean daily values by the application of corrections deduced from hotographic records made during the wenty years ending 1878 for the the twenty years ending 1878 for the thermometers. With the corrected from the readings of the readings	num thermometers, forming the mean daily value of temperatur, The mean daily dew point temperature and degree of fuunidity mean daily values of the dry and wet bulb thermometers by Glas	one.  ge temperature of the air is that derived from a discussion of the ast Greenwich during the 20 years ending 1898, and that of horizon m a discussion of the anemometric records for the 16 years ending	the columns 9 and 25 it will be borne in mind that + indicates than the average.  Increase in the water of the Thames are suspended at a depth of the theory of the indicates of the Romein Certle Manager.	to the care of the Market, under instruction of Electronic market at Landon Lan	in column 29, derived from the Campbell-Stokes Sunshine Instantion of bright sunshine on each day.	n midnight to midnight. The barometer increased from 29.81 in. at the beginning of the wise state of December; decreased to 29.92 in. by 8h. P.M. on the 35n by N. D. M. on the 3nd of January, and decreased to are a	owin. by out. t.m. on the oth of contant; and decreased to 30 0
Pressure on the Square Foot   Robinse   Square Foot   Sq	37.5 N.E. & Calm 903	e height of the cistern of the barometer is 159 feet above the meation has been applied to the readings to reduce to sea level. servations are usually taken at th. A.M.; noon; 3h. P.M.; and 9h. P.	lings of the barometer, the dry bulb internollerer, and dry wee quie into mean daily values by the application of corrections dedit hotographic records made during the twenty years ending 1873 fut them when yours ending 1888 for the thermometers. With the or vulb thermometer is combined the corrected mean of the real	num thermometers, forming the mean daily value of ten from mean daily dew point temperature and degree of h mean daily values of the dry and wet bulb thermometers.	one.  generorature of the air is that derived from a discussion of greenperature of the 20 years ending 1888, and that of m a discussion of the anemometric records for the 16 years	the columns 9 and 25 it will be borne in mind that + ind than the average.  The same are average and the Thames are suspended at a depresent the water of the intrine of the Romein Cartin Management of the Romein Cartin Man	as are registered by the Clerk of the Market, under the London.  I London.  I Bleatricty is derived from Thomson's self-registerit loyed are:—P. positive; N. regative; w. weak; m. no loyed are:—F. positive; N. regative;	in column 29, derived from the Campbell-Stokes Sunsh uration of bright sunshine on each day. if all the meteorological observations are to be underg	a midmight to midmight. The barometer increased from 29.81 in. at the beginning. In 81st of December; decreased to 29.92 in. by 8h. 7 is, by 6h by on the 3rd of January; and decreased	of ill. by oner and our or commenty, with decreased
Pressure on the Square Book.	37.5 LV E. Az Calm	e height of the cistern of the barometer is 159 feet above clion has been applied to the readings to reduce to sea leve servations are usually taken at 9h. A.M.; noon; 3h. P.M.;	lings of the barometer, the dy blub internoluters, and we into mean daily values by the application of correct hotographic records made during the twenty years endither twenty years ending 1885 for the thermometers. We will thermometer is combined the corrected mean of	num thermometers, forming the mean daily valu.  The mean daily dew point temperature and der mean daily values of the dry and wet bulb therm	ones.  ge temperature of the air is that derived from a set Greenwich during the 20 years ending 1865, and ma discussion of the anemometric records for the	the columns 9 and 25 it will be borne in mind it han the average.  oneers in the water of the Thames are suspended the many of the Remire of the letties of the Remire of	are registered by the Clerk of the Market, I London.  of Bleetricity is derived from Thomson's self- of gare:—E, positive; N. negative; w. weak,	in column 29, derived from the Campbell-Stoke unation of bright sunsinne on each day.	a midnight to midnight.  the barometer increased from 29°81 in. at the be in 81st of December; decreased to 29°92 in.  Air, by of p ay on the 3rd of January and 3°	owill, by other m. on one of contains; and o
Osler's.   Pressure on the Square Foot.   P.M.   Great.   Pressure on the Square Foot.   Oreat.   Oreat.   Dos.   Oreat.   Orea	37.5 N.E. & Calm	e height of the cistern of the barometer is 159 feetion has been applied to the readings to reduce to servations are usually taken at 9h. A.M.; noon; 3h.	ings of the gazometer, the dry but othermometer and into mean daily values by the application of hotographic records made during the twenty yea the twenty pass ending 1888 for the thermometer by the thermometer by the twenty but the thermometer by the thermometer by the thermometer by the thermometer by but by the proposed as the corrected as the proposed by the p	oum thermometers, forming the mean dail, The mean daily dew point temperature a mean daily values of the dry and wet bulb	ones.  Se temperature of the air is that derived free at Greenwich during the 20 years ending 1 m a discussion of the anemometric records	the columns 9 and 25 it will be borne in not an the average.  one-ters in the water of the Thames are sustained and from of the intrins of the Roy.	pure current one of the John of the Course of the Course of Electricity is derived from Thomson foyed are:—F. positive; N. regative; we loyed are:—F. positive; N. regative; we	in column 29, derived from the Campbe uration of bright sunshine on each day, if all the meteorological observations a	a midnight to midnight.  the barometer increased from 29.81 in. at ne Slats of December; decreased to 29 strip by qb p w on the 3rd of Fannare.	owill, by one rim, on the ora of dancary
Nind as deduced from Osler's.   Pressuretion.   Pressuretion.   Pressuretion.   P.M.   Orest.   Le est.   Le est.   Calm.   O'O	37.5 N.E. & Calm	he height of the cistern of the barometer is cion has been applied to the readings to rediscribing are usually taken at 9h. A.M., noo	ings of the bacometer, the orty bulb therm at into mean daily values by the applicath hotographic records made during the twel the twenty years ending 1865 for the them ry bulb thermometer is combined the orty	oun thermometers, forming the mean. The mean daily dew point tempers mean daily values of the dry and we	ones. ge temperature of the air is that der eat forcenwich during the 20 years on m a discussion of the anemometric re	the columns 9 and 25 it will be bor- than the average.  The average of the Thames a series of the lattice of th	s are registered by the Clerk of the London of Blectricity is derived from Thioped are:—P. positive; N. negati	in column 29, derived from the Curation of bright sunshine on each	a midnight to midnight.  the barometer increased from 29.  ine 31st of December, decreased  in by on p w on the 3rd of 17.	ofile, by therem, on the offer of dr
Wind as deduction.  Oster's, ction.  A. M.N.E.  N.E.  N.E.  S.W.  Calm.	18 N.E. A. Calm.	e height of the cistern of the barom ction has been applied to the readings servations are usually taken at 9h. A.A.	lings of the barometer, the dry bulb ed into mean daily values by the ar hotographic records made during the the twenty years ending 1868 for thi ry bulb thermometer is combined to	oum thermometers, forming the forming the mean daily dew point the mean daily values of the dry s	ge temperature of the air is the at Greenwich during the 20 y magnetic and a discussion of the anemoment	the columns 9 and 25 it will han the average.  ometers in the water of the The the conditions of the The the conditions of the conditions	une cad ut one or are jeune s are registered by the Cleif London. of Electricity is derived fr loyed are:—P. positive; N.	in column 29, derived from uration of bright sunshine if all the meteorological of	the barometer increased from Sist of December; de	owin, by on r.m. on vid of
P.M. P.M. Oalm NE. SW. Calm	18 19 19 19	e height of the cistern of the ction has been applied to the reservations are usually taken at	tings of the barometer, the dred into mean daily values by hotographic records made duthe twenty years ending 1868 ry bulb thermometer is comb	oum thermometers, form in The mean daily dew i	ge temperature of the a e at Greenwich during t m a discussion of the ar	the columns 9 and 25 in the average. The the average.	is are registered by the London.  of Electricity is derioted are:—F. positiv	in column 29, deriver uration of bright sur if all the meteorolog	the barometer incre ne 31st of Decemb	очин пу эн. г.ж. оп
I A	37.5 NE.	e height of the cistern ction has been applied servations are usually	lings of the barometed into mean daily hotographic records the twenty years entry bulb thermomete	oum thermometer. The mean daily value	ge temperature e at Greenwich m a discussion	the columns 9 han the average ometers in the	s are register of Electricit loyed are:—I	in column 2 uration of b	the barome ine 31st of	owill, by 9ll.
General A.M.  A.M.  Calm.  Calm.  Calm.  Colm. & S  SW.		e height of ction has b servations	ed into hotogral the twen	oum T. T	Se se m	tha	3 2 0		日十十六	-
0.00 fee Water of the Thames at Deptiord. High. Low.est. est. 44.6 41.6 41.4 41.4 41.4 41.4 38.7 39.2 34.2 34.2 41.3 87.5 41.7 37.5 41.7 37.5 41.7 37.5 41.7 37.5 41.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8	41.3	e he	T E Pe I	. H 00 7:	era era nad	r,"t	ding ion o	imbere egate (	ading c	eek.
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Bac	42.4		ne afte	fine and	on ; fir	foggy	cloudless, bu			
	93	KS.	very f	rning;	afternoon;	slightly foggy in evening; overcast	in clou			
Least, 0.0	0.5	MAR	ess and	in mo	illy till	ng; sli	night; then			
STAR B	3.0	AL RI	cloudl night.	se fog ery der	genera	norni	till nig	Very cold		
Differ the Art of the	1.9	GENERAL REMARKS.	brning; rost at	nd den	prevailed generally Hoar frost.	sety in ght.	generally (	Foggy.		
Of the Point.  Of the Adaly value.  29.4 27.1	29.9	G	Cloudy in morning; cloudless and very fine after- ards. Hoar frost at mght,	frost a	fog pr	Fine and frosty in morning; forenoon; partially cloudy till generally at night.	ast gen	oast. F		
Had Indiana I I I I I I I I I I I I I I I I I I	6.5		Cloudy wards.	Hoar frost and dense fog in morning; fine bright in afternoon; very dense fog at night.	Dense fog afterwards.	Fine forenoor general	Overcast fogsy.	of day.  Overceat. Foggy. Very cold.		-
Mr.  Mean daily value. 35.0 36.6 30.8 32.9 34.4 31.8	8.18	n above orizon, hours.	4.08	7.8	00	6.2	4.9	6.1	Sum 55.1	30
E O THE	0.6	Registered Sun above Sunshine, Horizon, in hours.					-		1	-
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	36.1					nder {				
	30.197	ELECTRICITY. (For explanation of symbols, see Note.)	1			Instrument under adjustment.				00
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MON	MEANS	DATE. DECEMBER.	STHDAY	MUNDAT	JANUARY.	YEDWESDAY.	THURSDAY	FRIDAY		10 00 m

#### WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

AND IN

#### TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office. AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 2. 1889. Vol. L.]

WEEK ENDING SATURDAY, JANUARY 12.

Price 11d.

General Register Office, Somerset House, 14th January, 1889.

### TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 25.5 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

		Weeks	ending				1 .	Weeks	ending	3
Towns.	Dec. 22.	Dec. 29.	Jan. 5.	Jan. 12.	Towns.	+ ;	Dec. 22.	Dec. 29.	Jan. 5.	Jan. 12.
Birkenhead	20.9	20.3	13.7	26.0	Liverpool -	-	26.0	24.9	29.6	28.9
Birmingham	22.0	15.7	22.1	28.3	London -	-	22.0	20.0	21.4	24.9
Blackburn -	28.9	29.8	39.2	44.8	Manchester	-	25.0	25.1	28.0	34.6
Bolton -	19.3	23.9	25.9	24.1	Newcastle-on-Tyr	e*	19.0	23.3	20.1	23.7
Bradford* -	19.5	18.6	22.0	20.0	Norwich -	•	24.0	15.6	23.2	24.8
Brighton -	17.0	16.5	12.9	16.7	Nottingham	-	21.9	16.7	20.6	18.2
Bristol -	20.5	12.9	21.4	25.5	Oldham -	-	23.0	24.5	23.8	26.7
Cardiff* -	32.2	30.8	32.9	31.9	Plymouth -	-	24.2	31.6	21.3	21.3
Derby -	13.6	12.5	21.7	21.7	Portsmouth		17.2	19.1	23.3	21.1
Halifax -	15.0	22 · 1	20.6	25.1	Preston -	-	24.3	23.7	27.0	30.2
Huddersfield	20.5	28.5	22.5	24.2	Salford* -	-	23.3	22.4	23.8	26.7
Hull	18.1	12.9	19.1	18.8	Sheffield -	-	19.9			
Leeds -	21.2	24.4	25.7	24.2	Sunderland	-	26.5	22.5	23.3	22.6
Leicester* -	23.5	17 · 1	23.2	23.9	Wolverhampton	-	33.8	27.5	19.0	28.4

The highest annual death-rates, measured by last week's mortality, were:—from measles, 3·4 in Liverpool, 3·7 in Oldham, 3·9 in Huddersfield, 4·2 in Cardiff, 5·8 in Salford, and 8·6 in Blackburn; from whooping-cough, 2·0 in Preston, 2.2 in Blackburn, and 2.3 in Birmingham; from starlet fever, 1.1 in Oldham and 3.4 in Blackburn; and from "fever," 1.2 in Surderland. The 35 deaths from diphtheria in the twenty-eight towns included 21 in London, 7 in Manchester, and 3 in Salford. No death from small-pox was registered in any of the twenty-eight great towns.

#### LONDON.

In LONDON 2671 BIRTHS and 2075 DEATHS were registered. increase of population, the births were 233 below, while the deaths exceeded by 160, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 20.0 and 21.4 per 1000 in the two preceding weeks, further rose last week to 24.9, and exceeded the rate recorded in any week of last year.

The 2075 deaths included 176 from measles, 17 from scarlet fever, 21 from diphtheria, 37 from whooping-cough, 10 from enteric fever, 1 from an undefined form of continued fever, 12 from diarrhea and dysentery, 1 from choleraic diarrhea, and

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated,

not one from small-pox or typhus; thus, 275 deaths were referred to these diseases

being 41 above the corrected average weekly number.

No death from *small-pox* was registered, the corrected average being 13. The fatal cases of *measles*, which had been 184, 147, and 143 in the three preceding weeks, rose again last week to 176, and exceeded the corrected average by 126; 11 belonged to Islington, 10 to Bethnal Green, 10 to Newington, 19 to Lambeth, 17 to Battersea, and 36 to Camberwell sanitary areas. The 17 deaths from *scarlet fever* were 24 below the corrected average; 3 belonged to Newington sanitary area. The 21 deaths from *dipitheria*, showed a further decline from recent weekly numbers, but exceeded the corrected average by 5; 4 belonged to Lambeth and 3 to Hammersmith sanitary areas. The 37 fatal cases of *whooping-cough* showed, on the other hand, a further increase upon the numbers in recent weeks, but were 44 below the corrected average; 17 belonged to the sanitary areas in South London. The 10 deaths referred to *enteric fever* were 6 below the corrected average, and fewer by 4 than the number in the previous week. The deaths from diseases of the respiratory organs further rose last week to 652, and exceeded the corrected average by 106.

GREATER LONDON.

In Greater London 3497 births and 2483 deaths were registered, corresponding to annual rates of 32·3 and 23·0 per 1000 of the estimated population. In the Outer Ring 22 deaths from measles were registered, of which 6 occurred in West Ham, 3 in Croydon, and 3 in Willesden sub-districts. Two fatal cases of "fever" were recorded in Tottenham sub-district.

DEATHS BELONGING to the SEVERAL SANITARY AREAS OF REGISTRATION LONDON registered in the 13 WEEKS ENDING on 29TH DECEMBER, 1888.

registered in										, = -		
			Des	ths fro	m Prin	cipal Z	ymotic	Diseas	es.		r.1 ge.	to the
SANITARY ABEAS.	Deaths.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping- cough.	Typhus.	Enteric Fever.	Simple and Undefined Fever.	Diarrhœa.	Deaths of Infants under 1 Year of Age.	Deaths under 1 Year to 1000 Births registered.
REGISTRATION LONDON	19,791	2	1488	317	411	223	3	177	6	341	4815	148
WEST.  Paddington	451 751 436 379 451 830 277 103	1	32 70 35 41 45 7 5	1 3 6 3 4 5 1	17 42 23 1 6 19 27 2	10 4 8 2 6	1	4 9 7 2 2 3 2 2	- 22	12 13 3 6 3	85 187 123 100 99 50 57	119 158 176 138 131 129 153 124
NORTH,  Marylebone	780 193 1200 1833 851		88 4 180 91 31	4 1 13 15 21	7 8 20 12 14	5 2 1i 14 1i		4 1 13 25 10		9 3 17 22 13	167 89 280 316 225	144 112 154 132 142
CENTRAL.  St. Giles	206 71 156 209 391 282 217	111111	7 5 9 10 87 41	1 1 4 7 6 .6	1 1 6 3 4	9 1 5 - 4	111111111111111111111111111111111111111	8 - 8 - 8 1	1	3 2 11 3	48 10 87 49 97 63 22	167 185 213 207 172 132
EAST. Shoreditch Bethnal Green	693 561 882 804 895 540 840		74 95 13 14 58 71 89	11 41 4 2 1 11 22	7 29 12 7 10 6	5 5 3 8		4 5 5 3 2 2	111111	17 9 12 8 11 6	170 · 221 95 75 115 143 198	148- 178 105 159 209 143 184
SOUTH.  St. Saviour Southwark St. George Southwark Newington St. Olave Southwark Bermondsey Itotterhithe Lambeth 13attersea Wandsworth Camberwell Greenwiel Lewisham (excluding Penge) Plumstead	173 884 857 58 450 206 1329 612 543 1076 695 227 190 245		81 28 25 13 1 102 65 87 79 2	2 6 8 1 9 6 23 6 8 39 7 7	7 8 9 2 2 3 3 2 4 0 7 7 2 6 2 0 5 5 2 2 8	2 9 10 - 9 24 6 8 21 18 1		22 5 -4 -12 -28 67 76 22 11	1	4 18 9 . ~ 8 11 17 13 18 14 15 8 4	51 101 140 18 114 64 312 197 129 262 188 55 48 66	243 189 142 134 152 178 138 162 184 146 147 127 154 96

In the above Table all deaths in Hospitals and in other Public Institutions within Registration London, as also 23 that occurred, outside that area, in the

Strand Union Workhouse at Edmonton, the Holborn Union Workhouse at Mitcham, and the Metropolitan Asylum Hospitals, have been distributed to the sanitary areas from which the deceased inmates were admitted. On the other hand the deaths of 347 non-residents who died in Public Institutions inside London have been excluded from the Table.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.53 ins.; the highest reading was 30.07 ins. at the beginning of the week, and the lowest 29.09 ins. on Thursday morning. The mean temperature of the air was 35°.3, and 2°.4 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Tuesday, Wednesday, and Friday, but was below the average on each of the other days of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 8.7 miles per hour, which was 4.5 miles below the average in the corresponding weeks of 16 years. Rain fell on four days of the week, to the aggregate amount of 0.49 of an inch. The duration of registered bright sunshine in the week was 2.7 hours, against 6.4 hours at Glynde Place. Lewes. 6.4 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the London Water Companies who have furnished him with the average daily quantity of Water supplied during the month of December 1888; according to their returns 153,616,885 gallons or 697,952 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 206 gallons 93.6 decalitres), being rather less than a ton by weight, to each house, and (assuming 7.8 persons to each house) 26.4 gallons (12.0 decalitres) to each person, against 26.8 gallons during December 1887.

COMPANIES.	Number of suppl	Houses, &c.	Average daily S in Ga	upply of Water
00211111111	DECEMBER. 1887.	DECEMBER. 1888.	DECEMBER. 1887.	DECEMBER. 1888.
TOTAL SUPPLY	733,128	746,277	153,157,994	153,616,885
From Thames	353,300 379,828	359,673 386,604	77,490,690	75,789,838 -77,827,547
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	34,402 69,908 108,741 53,831 86,418	34,764 71,095 110,407 55,093 88,314	9,229,585 14,313,888 22,898,834 15,519,083 15,529,300	8,839,097 14,125,189 21,084,715 15,898,537 15,841,800
LEA AND OTHER SOURCES.  New River	149,457 160,252 70,119	151,775 163,368 71,461	27,002,000 37,896,729 10,768,575	28,656,000 38,591,415 10,580,132

Note.—The Return for December 1888, compared with that for the corresponding month of 1887, shows an increase of 13,149 houses, and of 458,891 gallons of water supplied daily.

### Analysis of Metropolitan Water Supply during December.

The Yews, Reigate, 7th January, 1889.

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of December.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.5, Colne Valley and Tottenham 1.6, New River 2.7, Challet 1.6, New River 2.7, New River 1.6, New River 3.7, Chelsea 4.6, Lambeth 4.8, Southwark, Grand Junction, and East London 4.9, and West Middlesex 6.0.

The Thames water sent out by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies again exhibited, in every case, an increased quantity of organic matter. The augmentation was most marked in the West Middlesex Company's water which contained a considerable larger proportion than I have observed in any Metropolitan water for a long time past. Moreover the organic matter in this, and in the supplies of the Southwark and Grand Junction Companies, was also somewhat highly nitrogenous. All the samples were well filtered.

The water chiefly derived from the River Lea, and distributed by the New River and East London Companies exhibited a corresponding increase of organic matter, the actual proportion present in the New River Company's was, however, considerably smaller than in any of the other river supplies. Both samples were clear and bright.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health contained, as usual, only a very small proportion of organic matter. The Colne Valley Company's water was softened by treatment with lime before delivery, although the degree of softeness produced was less than usual.

Seen through a stratum two feet deep, the waters presented the following appearances: — Kent, Colne Valley, and Tottenham, clear and colourless; New River, clear and very pale yellow;

the remaining waters clear and pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that town was "brownish yellow and turbid, and contained au unusually large quantity of organic

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

	RESUL	rs of Analysis express	ED IN	PART	SPE	K 10	0,000	,.			
or 1	COMPANIES	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES.		0			1					
	Chelsea	{ December 11th, Cab Rank, Victoria-st. }	12.2	30.42	*236	•036	0	265	*301	1.8	21.2
	West Middlesex -	{ Cab Rank, Portland-road.}	9.8	31.00	*288	*065	0	270	*335	1.8	21.5
	Southwark	{ December 11th, Cab Rank, Bricklayers Arms, Old Kent-road. }	9.9	31.46	•230	.061	0	•277	*338	1.7	22.7
Inner Circle.	Grand Junction -	December 11th, Cab Rank, Uxbridge-road, near Marble Arch.	9.0	32.80	•227	*065	0	•294	*359	1.7	23.0
Luner	Lambeth	Cab Rank, St. George's- road, Southwark.	10.2	32.24	•242	•042	0	*317	*359	1.8	22.4
	LEA. New River	December 11th, Cab Rank, Tottenham Court-road.	9.2	32.20	*185	*031	0	*322	*353	1.8	23.3
	East London -	December 11th, Fire Brigade Station, Commercial-road, E.	8.8	38.74	•219	*070	0	*311	*381	2.0	26.8
6)	DEEP WELLS.	December 11th, Mill Lane, Deptford.	12.2	33.24	.024	*006	0	•491	.497	2.0	25.7
Circle.	Colne Valley	December 14th, Bushey.	-	19:30	.077	.018	0	.310	*328	2.1	9.0
Outer	Tottenham	{ December 15th, Tottenham. }	-	40.50	*067	*025	*085	.010	•105	2.7	23.0
Cor h	poration of Birming-	December 4th, 112, Aberdeen-street.	9.4	28.88	*246	*043	0	198	*241	1.7	16.4
Con	rporation of Glasgowt-	December 15th, Supply from Loch Katrine.	6.3	2.80	162	.038	0	.004	.042	.7	1.0
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

Analysed by Dr. Alfred Hill, F.I.C., Medical Officer of Health and Analyst to the Borough.
 Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 11th December at the Victoria St. cab-rank, had a temperature of 12°.5 C.; 100,000 lbs. of it contained 30.42 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained ·236 lb. of carbon and ·036 lb. of nitrogen. The above quantity of water also contained no ammonia, and ·265 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·301 lb. The above weight of water also contained 1·8 lbs. of chlorine; and 21.2 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

\* See note on first page of this Return.

1	_					_		_		_				_	_														
	Service	AND BOROUGHS,	Cols.	· 28 TOWNS.	London.	BRIGHTON.	NORWICH.	PLYMOUTH.	WOLVERHAMPTON.	RIENTMORAN	LEICESTER,	NOTTINGHAM.	DERBY.	BIRKENHEAD.	BOLTON	M and the second	SALFORD,	OLDHAM.	BLACKBURN.	HESTON.	HALIPAX.	BRADFORD,	LEEDS.	SHEFFIELD.	HULL.	NEWCASTLE.	CARDIER.	EDINBURGH.	GLASGOW. DUBLIN.
	KAINFALL.	In Centi- metres.	2.4.	1.42	1.24	27.22	1	29.80	0.26	1	L	1.68	1	10.0	2 1	, 1	: ,1	1	1	1 1	1	0.58	1	3. 10	61.7	1.49	1	0.18	1.52
	KAIN	In Inches.	238	0.26	0.40	40.0 40.0	1	1.03	0.52	1	L	99.0	1	1 0	OT I		1	8	1	1 1	,	0.51	1	1 7	07.7	0.56	3 1	20.0	0.00
E AIR.	Moon	entigrade.	22.	2.39	1.83	11.0	1.	27.4	22.0	)	1	0.83	1	08.6	3 1	١	. 1	ı	1 .	1 1	ŧ	8.58	1	1 5	ne 1	2.94	t	3.39	3.92 4.28
TEMPERATURE OF THE AIR	Me	.tiədnərns'	2].	36.3	25.3	0 /0	3	36.1	33.3	1	1.	33.2	1	27:0	1	- 1	ı	· b	1.	1 1	1	87.9	1.		7.80	27.9		38.1	83.4
RATUR		Ileit Lowest.	20.	19.8	19.8	0 1	1	29.5	21.1		1	20.3	1.	4.76	1	1	L	1	1 1	1 1	3	8.63	1	0.10		30.08		0.43	26.8
TEMPE	.,1	Fahrenleit Lowest.	19.	50.5	49.0	P . 1	,	50.5		ì	1	1.97	1	45.0			. *	1:	1	r 1	2	45.8	ı	10.01		44.0 3			50.3
Rate 000c,	be be	From From Diseases in Cols. 6-12.	18.	3.52	8.3	0.4	9.0	0.0	67	J.8	1.1	0.7	1.1	0.0	00	5.6	0.8	5.9	16.4	0.00	0.0	1.6 4	1.4	-	0 00				0.0 7.7
Annual Eate per 1006,	corresponding to the Week's Death	From All Causes.	17.	25.5	6.76	21.12	24.8	25.5	28.4	8.83	53.6	18.5	2.17	0.83	24.1	34.6	2.97		30.5	24.5	1.93	0.03	24.2		00.00			21.2	29.0
	· dia	Uncertified to a series	16.	113	31	( )	1	1 4	1	4	-	10	H	1 24	Magazini (magazini (magazi	10	-	00	os 0		00	- GV	02 0		-	1 1		-	21 21
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nde		Vlolence.	13.	155	85 67	00	7	1 7	Н	00	10	20	03 0	2 00	1	=======================================	10	63	ಾ ೦	9 1	н	4	00	99 0	2 -	- IG	12.	63	· · · ·
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The DEATHS registered in the Week include	from	Whooping-	10.	123	37	1	rd .	1 4	ı	20	1	70		1 4	-	00	61	21	70 4	P ;	ŧ	<del>වෙ</del>	9		1 0	2 =	1 63	~ ~	6J 00
gister	Deaths from	Diphtheria.	6	35	21	1	1	1 1	,1	1	1	1	1	1 -	1 1	4	- 00	1	1	1 1	1	3	1 1		1 -	٠ ,	. ,1	9	
THS re		Searlet Fever.	00	50	17	1	1	1 1	1	1	ſ	64	ı	1 6	1	4	-	e0 :	00 1	1	1	1	4 1		1	1 1	1		9 00
e DE		Menales.	7.	366	176	H	ı	1 0	67	4	70	H	1 6	2 04	63	17	56	10	20 1	Ŀ	1	63	32	er	1 1	1	. 60		el es
₽.		Small-pox.	6.	1 -	1 1	1	i	1	1	1	1	1	ı	1 1	1	ı	1	1	1	1 1	ı	1	ı	1		1	1	-	1 1
	Jo 8t	Persons aged 60 Years and upwards.	5.	1262	624	19	21	21 63	10	65	12	25	=======================================	69	14	53	18	16	17	20	133	25	44	0.6	66	16	13	30	59
	Deaths of	Infants under I Year of Age.	4.	916	373	14	<b>o</b>	19	Ħ	54	19	61	12	74	9	4	19	14	20	1 1	10	17	37	10	2 =	13	55	22	40 40
luring	1889.		50	4670	2075 39	22	24 %	112	45	247	69		# E	336	553	251	120	73	10 <del>4</del>	43	68	06	168	75	000	7.8	69	0110	204
Registered during	the Week ending 12th Jan., 1889.	Вівтва, Обатна,	_			4 (	20 20		25		·	0000	2 4	. 0	92	60		1 0	- 10	-		on o	0 60			10	_	-	
Regi	12th	BIRT	25	6157	2671	104		126	10	303	20 0	128	00	410	. 93	\$23	161	20 0	0 65	19 .	4	138	966	124	08	115	88	135	195
	POPULATION estimated	to the middle of the Year 1889.	1,	9,555,400	4,351,738	141,253	£4,510	25,9,361	82,544	454,835	150,520	237,812	102.517	606,562	114,670	878,800	284,283	191 975	104,194	92,825	8T,080	225,056	327,227	208,017	184,198	160,988	112,712	266,800	353,082
			Cols.	•			. ,	•	HON	•			•	•	•	•	•		•			• •		•		•	-	;*, *	•
	CITIES	AND BORUUGHS.	3	28 TOWNS	LONDON	PORTSMOUTH	NORWICH .	HINDERS .	WOLVERHAMPTON	BIRMINGHAM	LEICESTER .	NOTTINGBAM.	139	LIVERPOOL .	BOLTON	MANCHESTER	SALFORD*	BLACKBURN .	PRESTON .	HUDDERSFIELD	HALIFAA	BRADFORD*	SHEFFIELD .	HOLE .	SUNDERLAND	NEWCASTLE*	CARDIER	EDINBURGE -	DUBLIN.

TABLE 2. LONDON .- Births and Deaths Registered in the SECOND Week of each of the

	1879	1880	1881	1882	1883	1884	1885	1886	1887	18:8	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births Males Females .	2613	2595	2486	2665	2808	2681	2876	2695	2623	2556	2903·7	2671
	1303	1328	1268	1362	1425	1370	1503	1363	1333	1293	1477·4	1329
	1340	1267	1218	1303	1383	1311	1373	1332	1290	1263	1426·3	1342
TOTAL Deaths Males Females .	1873	1730	1604	1737	1567	1493	1855	1902	1860	1940	1915·0	2075
	972	852	816	873	777	759	899	942	893	961	953·4	1023
	901	878	788	864	790	735	956	960	967	979	961·6	1052

<sup>\*</sup>The numbers in this column are the average weekly numbers in the second weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population.

TABLE	3. LONDON.—B	IRTHS	, DEA	THS,	and I	METE(	DROLO	GY 1n	the	Last '	THIRT	TEEN	WEER	18.
		Oct. 20.	Oct. 27.	Nov.	Nov. 10.	Nov. 17.	Nov.		Dec. 8.	Dec. 15.	Dec. 22.	Dec. 29.	Jan.	Jan. 12.
TOTAL	Births	2459	2666	2373	2770	2606	2722	2367	2644	2291	2655	1876	2855	2671
TOTAL	Deaths	1641	1787	1613	1520	1619	1409	1352	1461	1455	1802	1641	1784	2075
Ages at Death	0—20 years - 20—40 , - 40—60 , - 60—80 , - at 80 years & upwds.	777 197 297 297 73	849 199 293 325 71	770 189 275 310 69	769 186 227 288 50	825 179 284 260 71	724 167 212 257 49	701 164 217 223 47	765 177 243 228 48	720 178 247 251 59	883 197 286 356 75	779 173 277 335 77	825 204 303 366 81	850 218 333 506 118
<b>τ</b> ν '	Under 1 year 1—5 5—20	397 277 103	423 329 97	383 297 90	400 281 88	377 332 116	342 292 90	327 288 86	375 296 94	307 314 99	390 375 123	345 341 93	372 338 115	378 370 107
Deaths fr	om Small-pox  , Measles , Scarlet fever - , Diphtheria , Whooping-cough , Typhus , Enteric fever , SimpleConta fever , Diarrhaa and , Dysentery , Cholera , all the above-	80 93 36 12 - 19 1 42 -	1 100 25 31 18 - 17 2 30 1	1 88 24 32 19 - 22 - 34 -	109 18 34 15 - 14 - 18 -	124 31 44 17 - 15 - 16 -	183 20 41 19 1 15 1 18	141 24 34 20 - 11 13 1	139 30 35 13 1 12 - 19 -	154 17 39 14 - 18 - 11 -	184 25 89 25 - 12 - 16 -	147 20 34 28 - 8 - 14 -	143 12 33 32 - 14 1 11 -	176 17 21 37 -10 1 12 1
77 73 77	mentioned Diseases { ,, Dis. of Respira- tory System } ,, Phthisis - ,, Dis. of Circula- }	364 180 152	522 157 129	441 149 138	373 126 133	374 152 108	287 132 105	258 136 96	277 144 101	380 160 109	440 153 127	412 152 130	484 154 160	652 187 195
	Cases n Public Institutions	51 109 367	57 120 395	59 117 369	50 110 346	60 117 371	43 105 311	54 103 311	62 110 302	40 86 353	81 154 395	52 107 335	61 132 360	58 143 399
Mean Mean	of Highest readings - of Lowest readings -	43·5 53·4 34·4	49·2 58·5 40·6	50·3 54·7 46·7	42·1 47·0 37·7	50·5 55·4 45·2	49·0 53·4 44·9	45·7 49·6 41·6	49·1 54·0 43·6	38·3 38·8 27·9	40·4 44·4 36·0	42·5 47·3 36·6	31·8 36·1 27·1	35·3 39·7 30·9
	y of the Air	87	89	92	86	89	81	89	87	93	94	90	93	93
	l in inches red Sunshine (in hours)	24.5	25.5	3.8	0.50	8.6	0·11	6.0	0.17	3.8	6.2	0·66 4·6	3.2	0·49 2·7

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F.E. Sawyer, Esq., F.S.A., F.R.Met.Soc., Brighton; John Merrifield, Esq., L.L.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; F. Simpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Erosun, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool: H.O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderlaud; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different CAUSES in the

SECOND Week of the Year 1889.  In the Week ending Saturday, 12th January 1889.  Deaths of Persons of Deaths of Persons of Saturday.																			
	r the	. 8	Ir	the	We:	Jan	uary	1889		.1	r the		Satur	In th	e W 12th	oek e Jan	ndin	g 1883	
	he 10 y		D	eaths	of I	Perso	o en	£	-		ges fo		D	eath	of I	Perso	ns of		
CAUSES OF DEATH.	oted Averages Weeks of the 10 1879-88.	AGES.	-	Unde 20.	r	under 40.	under 60.	under 80.	rs and	CAUSES OF DEATH.	Corrected Averages for the 2nd Weeks of the 10, years 1879-88,*	AGES.	-	Unde 20.	r	under 40.	under 60.	under 80,	a sud
	Corrected 2nd Wee	ALL A	0-1.	1-5.	5-20.	20 and 1	40 and 1	ou and t	su Years upwards.		Correct 2nd W	ALL AG	U-1.	1-5.	3-20.	Zo and n	40 and u	60 and u	ou Years
ALL CAUSES	1915.0	2075	373	370	107	218	388	506	118	Diseases of Organs of Special Sense t}	2.4	2	1	-	1	-	-	-	-
Small- Vaccinated; - Unvaccinated No Statement	313.3	-	-	-	-	-	-	-	-	Diseases of Circulatory	133.7	195	-	, 1	10	24	67	80	13
Measles	50.4	176	24	139	12	1	1, -	-	-				]	-	-	-	-	-	-
Scarlet Fever	41'2	17	-	10	7	-	-	-	-	Croup Bronchitis	16·9 352·2	14 445	61	59	3	12	83	192	57
Typhus	1.1		-	-	-	-	-	-	-	Pneumonia	121'3	132	23	41	11	10	21	14	3
Relapsing Fever t	0.0	П	-	-	-	-	-	-		1 Other Diseases of Respi- )	49.2	55	5	9	1 2	8	16	16	1
Influenza	80.9	37	11	-	-	-	-	-		ratory System 5					-	1		10	1
Whooping-cough Diphtheria	15.6	21	3	26	9	1	-	-		Dentition †	16.7	8	8	5	-	-			
	2.8		ľ			1		-		Quinsy, Sore Throat † -	1.2	9	1	2	-	-	ī	=	-
Simple Continued and \ Ill-defined Fever - \		1	-	-		-	1	-		Peritonitis	6.8	9	6	-	2	4	3	2	_
Enteric Fever	16.0	10	П	-	3	7	-	-	-	Diseases of Liver - Other Diseases of	30.2	2)	1		-	4	8	7	-
Cholera	0·1 12·6	1 12	1 8		~	-	-	-		Digestive System -}	31.7	27	. 3	.1	2	8	5	12	2
Diarrhœa, Dysentery - Remittent Fevert	0.8	12	°		_	2	-	1	1	Discours of Yamed 11 A		-		-		_			
Hydrophobia	0.1		H		-			_		Diseases of Lymphatic System & of Ductless	8.7	1	-	-	-	_	1	-	
Glanders	0.0	_			_					Glands †)									
Cowpox and Effects of Vaccination † }	0.3	_								Discours of Maria				-	-				-
	11.4		10			-		-	-	Diseases of Urinary	41.2	50	1	-	1	8	20	16	4
Venereal Affections - Erysipelas	10.1	18	13		-	1	2	2	-						_	_			
Pyzmia and Septiczmia †	1.5	6	3	1	1	1	1		-	Diseases of Generative	6.3	- 4			i	-	1	,	
Puerperal Fever	9.2	5			-	4	1			System	4-1	5		1		1 5		1	
Other Zymotic Diseases †	1.5	3	1	2	-				-					-	_	-	-	-	-
							<u> </u>	-		Diseases of Locomotive	8.8	5			2	_	1	2	
Thrush	2.0	1	1	-	-	-	-	-	-	System + }				_			_	_	
Worms and other Para- sitical Diseases}	0.5	-		-	-	-	-	-	-	Diseases of Integumen-	6.5	4	1		_			2	,
Starvation, Want of	1'5	3	3		_					tary System 5							-	-	
Breast-milk †}	4.7	9	_	_		4	3	2		VIOLENT DEATHS.§			-						
				_	-		-	Ŀ		Accident.)					1	9			
Rheumatic Fever. }	11.3	4	-	-	2	1	1	4	-	Fracture and Contusion Gunshot Wound	22·9 0·1	13	-	1	1	4	5 -	2	-
Rheumatism †	2.6	3	-	-	-	-	1	2	-	Cut, Stab Burn and Scald	10.8	7	-	3	1	1	-	1	1
Gout Rickets †	3·4 2·7	4	-	-	-	-	-	4	-	Poison Drowning	1'2 4'5	2 9	1	-	3	1	1 8	1	-
Cancer -	50.7	2 62	1	-	1	-	-	-	-	Suffocation	14.6 2.7	16	15		1	ì	-	-	-
Tabes Mesenterica	25.4	17	10	5	1	2	27	89	2	OTHER TIME				-	1	-	-	-	-
Tubercular Meningitis -	22.1	23	7	15	-	1		-		(HOMICIDE.)		İ			-				
Phthisis	183.2	187	3	4	16	89	57	19	-	Murder & Manslaughter	1.2	1	-1			1	_	_	
Scrofula, Tuherculosis -	16.1	12	7	4	- }	-	1		-						-				
Other Constitutional Diseases † }	12.8	8	-	-	-	4	8	1	-	(Suicide.)	010		-	1					
Premature Birth	0510	00	0.							Gunshot Wound Cut, Stab	0'8 1'5	5	-	-	-	1	2	2	-
Atelectasis +	35·9 2·0	89	39	5	-	~	-	-	-	Poison Drowning	1:5 1:8 1:0	1 1	-	-	-	1	-	-	-
Congenital Malforma-		1	1	-	-	-	-	-	-	Hanging Otherwise	1 6 0 9	i	-	-	-	-	1	-	-
попв	8.6	7	6	L	-	-	-	-		O14017/80	0.9	-		-	- 1	-	-	-	-
Old Age -	<u>61.8</u>	63	-	_	-	-		21	43	(Execution.)		1	į.					,	
Apoplexy	52.7	55	-	1	_	3	15	31	2	Hanging	0.1	_	-			-	_		
Epilepsy	7.0	4	-	-	1	1	-	1	1					_	_	_	-	_	_
Convulsions	54.3	48	42	6	-	-	-	-	-	Orenza Chemina		. 1	. 1					1	-
Other Diseases of Brain }	93.6	101	8	13	9	4	23	86	8	OTHER CAUSES †	67.9	60	49	3	3	-	4	1	1
* The numbers in this o	alumn er	o the	TO TO		a a b l	n D	othe	Com A	hata	years 1879-88, raised by 9°04				-	-		-	1	_

mont. e the Coroner to certify whether a violent death be the result of accident, murder, as addent or negligence."

TABLE 5. LONDON .- POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SWALL-POX, MEASLES, SCARLET during the Week ending

TABLE 3. HOWEDOW. 2010321									_				dur	ing	the	w ee	k'ene	ding
							The	DEA	THS 1	rogist	ered i	n the	Wes	kine	lude			
	Enume-			Deat	hs of					Deat	s fro	1111					9	
RECHSTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total Births.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes or Death.
LONDON	3,815,704	2671	2075	373	624	-	176	17	21	87	-	10	1	12	58	143	399	31
West Districts  North Districts  CENTRAL DISTRICTS  EAST DISTRICTS  SOUTH DISTRICTS  METROPOLITAN ASYLUM HOSPITALS OUTSIDE REGISTRATION LONDON	669,683 905,947 282,238 692,738 1,265,148	407 591 158 519 996	310 449 147 394 775	46 70 22 87 143	112 163 38 103 208		17 26 9 21 103	1 5 1 2 8 -	9 3 1 3	5 7 8 5 17		2 2 1 2 3		3 1 3 4	8 5 7 21 14 -	17 23 15 51 35	72 93 29 97 103	20 -
WEST DISTRICTS.  St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 37330	66	37 14	5 2	18 5	-	- 2	-	1 1	1		ī	-	1	1 1	2 1	5 · 3 · 23	
Kensington Town Ww - W.M. & C. Brompton H - W.M. & C.	120141 43010 7599	69 13 5	15	5	24 6	-	-	-	-	-	-	-	-	-	-	-	3	-
St. Peter Hammersmith H W.M. & G.J. St. Paul Hammersmith H W.M. & G.J. Fulham W.M. & C	64340 42900 8)396	56 56 17	30 33 8	6 8 2	7 8 2	-	3 5 -	ī -	3 -	2 -	-	ī -	1 -	-	1	2 2:	3 77	-
Chelsea North-west WHHHHHH. C. Chelsea North-east C. C. G.J.	21925 32807 30353	21 25 6	11 13	3	8	-	2 1 2	-		-	-	-	-	- - 1	1	3 -	5	-
May Fair  Belgrave WHHH  St. John Westminster HHH  C.  St. John Westminster H - C.	59220 35496 24679	23 16 4 11	32 18 16 8	3 5 2 2	13 5 1 4	-	1 1 -	-	2 -	1 1 -	-	-	-	1	1	1	10 - 4 - 3 -	1
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	16608	6	7	-	3	-	-	-	-	-	-	7 2 3	. <del>-</del>	_	-	-	2	
NORTH DISTRICTS.  All Souls Marylebone HIIIH - W.M. Cavendish Square HHIIH - W.M. Rectory Marylebone WH G.J. & W.M. St., Mary Maryleb. HHH G.J. & W.M. Christehurch Marylebone H - W.M. St. John Marylebone H - W.M.	. 24809 21118 33700 33633	18 4 12 24 20 13	9 6 17 8 11 15 12	1 2 2 2 3	2 2 7 5 5 7	1 1 1 1 1	1 - 1 1	-	111111	11111	111111	1			1 1 - 1	1 4 2 - 1	3 - 1 - 3	1
Hampstead WwwHIHH N.R. & W.M. Regent's Park Paneras H W.M. Tottenham-court wHHHH N.R. & W.M. Gray's Inn Lane HHH - N.R. Somers Town H - N.R. Camden Town WH - N.R. Kentish Town W	27729 30247 34369 17311 87487	24 9 20 21 16 66	6 23 14 13 22 43	1 4 2 4 4 10	3 5 3 12 12	11111	1 3 1		1	1 - 2		11111			1	2 3 1	17. 1 1 16 4 28	1
Upper Holloway WWWH Islington South-west HH - N.R. Islington South-east - N.R. Highbury H - N.B.	100976 61835 52048	60 58 36 44 23	58 48 29 17	6 9 5 1	25 16 10 9 5	1 1 1 1	3 3	1	1111	3 -		-	-	=	- I	1 2 -	-	
Stoke New West 2  Stamford Hill  West Hackney H  Hackney WuswH  South Hackney -  E.L.  N.R.  - N.R.  - E.L.  E.L.	9277 37610 76911	7 22 51 15	7 16 50 14	3 9 2	7 18 3	1117	1 2 4 1	3 -	1 -	1		1		1	1111	3 1	20	
CENTRAL DISTRICTS.	16681 14864	111	10	2	5	1 -	i	-	-	-	-	-	-	-	2	2	1	-
St. Giles South  St. Giles North  St. Martin-in-the-Fields HH N.R. & C  St. Mary-le-Strand H  N.R.	. 17508 7515 8559	5 1	8 6 4 8	1 - 1	1 1 2	1111	1 -	-		1 -	-	1 -	1	1 1 1 1		2 1 1	1 2 2	1111
St. Cicilies Provides, Edmonton w. St. Cicilies Provides Research W. St. Cicilies Research W. St. Audiew Eastern W. N. R. Saftron Hill H. St. James Clerkenwell - N. R. Anwell Clerkenwell - N. R. Anwell Clerkenwell - N. R. Pentonville - N. R. Goswell-street - N. R. City-road HHL - N. E. Whitegress-street - N. R. Whitegress-street - N. R. Whitegress-street - N. R. Whitegress-street - N. R. R. Scholars Union Workhouse, Mitchan, w. R. Saftrand Union Workhouse, Mitchan, w. N. S. Saftrand Company Compan	18671 10706 6683 17516 19281 14773 17500 11541 18622 2. 9217 4. 7463	4 5 1 1 8 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 11 66 88	2 -	1 1 5 1 2 -		2	-		1		-	=	1	-	1 - 1 1	5 4	-
St. Botolph H	R. 535 R. 839 R. 1866	3 2 8 2 6 4 6 1	1	5 5 5	1 3 3 2 3 3 - 1 3 - 1 3										4	4 2	13	

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse Establishment receiving inmates from other Districts than that in which it stand see note at the toot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. significand Junction (ompany; W.M. West Middleaex; C. Chelsea; S. Bouthwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East London and K. the Kent Company.

EVER, DIFFSTHERIA, WHOOPING-COUCH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district aturday, the 12th January, 1889.

aturday, the 12th January, 1889.																<i>D</i> - <i>D</i> ,	IN I CO	
							The	DEA	TES 1	regist	ered i	n the	Wee	k inc	ude			
	Enume-			Deat	hs of					Death	s from	m						
REGISTRATION SUB-DISTRICTS,	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Intante under l'Year of Age.	Persons aged 60 Years & unwds.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fev.	Simple con- tinued Ferer.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
East Districts.  Holywell Shoreditch - N.R. & E.L.  Leonard Shoreditch HL* - N.R. Hoston New Town so - N.R. Hoston Old Town - N.R.  Raggerston WH - N.R. & E.L.	7376 14967 29937 28036 46275	4 6 20 21 47	4 6 27 8 26	1 - 8 4 10	2 1 13 1 6	11111	1 2 1 -	11111	-	- 11 -	11111	1	11111	11111	3 - 1	1 6 2	1 12 7	1111
l'ackney-road H-   E.L. Green, Bethnal Green WHL* - E.L. (burch, Bethnal Green E.L. Town, Bethnal Green E.L.	29738 47932 29981 19810	28 29 20 11	19 28 14 16	7 - 5 5	8 12 2 8	1111	6 - 3 1	1 1 -	1	1	1111	1111		1 -	1 2 1	2 2 5	13	1111
pitalfields E.L. & N.R. Mile End New Town W E.L. Whitechapel Church H E.L. & N.R. Goodman's Fields E.L. Aldgate E.L. N.R. & E.L.	22585 35478 17490 9713 6102	11 25 12 3 4	7 15 24 1	2 4 - -	1 2 4 -	11111	2	11111	1.1.1.1.1	11111	11111	1	9 1 1 9	1	128 1 1	1 3 7	15	11111
Ff. George's North E.L. St. John, St. George East W - E.L.	88747 8410	32 1	14 14	6	9	-	-	-	, <u> </u>	2°.	- 1	-		-	] 2	3	12	
hadwell HH E.L. N.R. Ratelliff E.L. Limehouse E.L.	10898 16107 82041	10 18 25	7 6 18	1 1 8	1 3	-	1 . 1	1 1 1	P1 15	1 1 1	1	1.1.1	0 1 2	111	1 1	1 - 1	4	
Mile End Old Town West - E.L. Mile End Old Town East WuwH- E.L.	37960 67658	28 55	16 29	11	2 8	-	1 -	-	12,	1		-	-	-1	-	1 -	5	-
Bow E.L. Bromley $w t c w H$ E.L. Poplar $W W H$ E.L.	87074 64859 55077	53 53 89	18 50 31	3 9 5	5 14 8	-	1 1	7.1	1	-	111	-	-	1	3 3	1 9 4	21 21 2	111
South Districts	13663 14999 21381 15953 21318 26672 59555 21623	8 8 20 13 15 18 36 16	11 6 10 18 13 22 89 9	2 - 5 5 1 5 7	5 2 2 1 3 4 14 4		1 3 5 7 2 1	2 1		1111111	Littlett		111111		1111111	2 2 2 1	1 5 -	1 1 1 1 8 1
St. Olave WH S. a.L.  I cather Market S. a.L.  St. Mary Magdalen W - S.  St. James Bermondsey - S.  Rotherhithe WH S. & K.	11956 16300 15669 54688 86024	10 10 13 38 22	17 7 11 25 24	1 2 5 2	4 1 4 4 11	10111	2 2	11111		2	11111	- 1 -		11111	31 2	3 1 1 2 4	10 - 3 - 7	11111
Waterloo-road 1st   H -	15195 16351 19676 39859 45232 35332 62837 19017	12 18 14 32 84 13 29 15	14 18 22 84 81 11 24 2	8 4 5 5 7 1 5	8 4 11 7 3 9	1	2 4 4 8 4 2 1 -	1	1 2 -	2 - 3	1111111	1111111	1111111	1	1	1	1 1 8 18	1 1 1
East Battersea	54675 52587 86350 28004 18235 25553	54 75 17 28 6 32	32 51 9 17 8 16	12 8 7 1 7	12 10 5 8 1		8 9 - 1 1	111111		1 1		111111	1 1 1 1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 2 - 2	8 1 1 -	2 - 1
Dulwich - L. & S. Camberwell WwL*L* - S. & L. & K. George Camberwell - L. & S.	5590 59104 71089 50810	4 48 55 48	2 65 48 38	- 8 6 9	2 20 9 9	7	8 21 7	-	î -	1 1	-	-		-		ī ī	24	1 2 2
St. Paul Deptiord wwo - K. St. Nicholas Deptiord K. Greenwich West H K, Greenwich East WHH K,	76752 7901 21972 24608	86 6 9 15	87 11 18	11 - 1	7 -6 7		-	3	11.14	2 1		1	7171		1117	- - -	3 - 9	1 1
Eltham $H$ K. Lee $H$ K. Lewsham $WH$ K. Sydennam $H$ L.	5048 21559 19865 26076	1 8 16 15	1 9 8 6	2 1 2	2 1 2		8 2	-	1111	1111	-	- 1 1 1				1111	111	1111
Chariton H K. Woolwich Dockyard K. Woolwich Arsenal HH K. Plumstead, West H K. Plumstead, East W K.	10980 17617 19048 14009 19241	10 12 19 18 85	10 12 4 11	1 2 4	3 3 9 2		1	1	11111	1.1.1.1		11111	1111		ī 1	- 1 3 - 1	1	2
Metropolitan Asylum Hospitals: Dartford w Winchmore Hill w Plaistow w		-		-			=	=	-	=	-	=	=	=	=			1 0 1

The following Workhouse Establishments receive immates from other Districts than the one in which they stand, and are indicated in the

Marylebone Infirmary in Kensington Town sub-distr

Central London Siek Asylum in Tottenpam Court-road sub-district Holborn Informary in Upper Holloway sub-district.

dolbori Borton New Town sub-district.

White End Old Town Fastern sub-district.

Janean City J Mile End Old Town Eastern sub-district.

London City " Maile End Old Town Eastern and Bromley sub-district,

Stepney Workhouse in Bromley sub-distric

Poplar & Stepney Sick Asylum
Westmuster Union Industrial School in West Batterses sub-district.
Strand and Holborn Workhouses outside Registration London.

Metropoutan Asyum District Hosoitais in Fuinam; Hampstead, Hackney, Erniton, and St. Paul, Deptford sub-districts, and in Dartford Edmonton, and West Ham sub-districts outside Registration London Table 6 .- LONDON .- OUTER RING. - Area; Population: Births and Deaths registered during the

			V	Veek	endin	g Sat	urday	, 12t	h Jan	uary	, 188	9.						
	.	Area						. 1	he Ds.	ATHS I	essison	red im	the W	eek in	clude			
cration		Acres,	Enume-			Dest	hs of	<del></del>	- 1 :	I	eaths	from						90
District	REGISTRATION	inclu-	rated	IS.	HS.	H	98.		1			ugh.				90	Deaths in Public	Uncertified Causes
and Sub-	SUB-DISTRICTS.	Tidal	Popu-	BIRTHS	DEATHS	under of Age.	aged 60 & upwds.			Fever.	e l	Whooping-cough				Inquest Cases	n P	pod (
listrict		Water	1881.	BI	ā	r of	718 B	T-Do	108.		ther	opin	ı,	rhœ	Violence.	test	the i	17e
Num- bers.		Fore-				Infants Year	Persons Years &	Small-pox.	Measles	Scarlet	Diphtheria.	Who	Fever.	Diarrhos.	Viol	Inqu	Dea	Uno
						-	<u> </u>	- 002	-							70	21	7
LO	NDON - OUTER RING	370,924	950,957	826	408	92	111	-	22	1	3	2	3	3	6	18	31	-
1											1		_	_	_	_	-	1
80:1	Carshalton w.L - Epsom (part of)* WwB	12228- 9971	21118 10710	18	12	8	1	-	2	-	-	-	-	-	-	-	-	-
1		2754		1	_	_	_	_	_	-	-	-		-	-	- '	-	-
87:1	Godstone (part of) * -		1285			11	8		3		-	_	-	1	-	-	6	1
38:1	Croydon WwHHL -	20851 11697	101241 17932	79 10	42 5	-	2	-	1	-	-	-	-	-	-	~	-	-
89:1	Wimbledon HHH -	3220	15950	16	4	-	2	-	1	-	-	-	-	-	-	-	1	-
2	Kingston WHH	8549	36354	22	13	1	1	-		-	_	-	-	-	-	-	-	-
8	Esher (part of) * - Hampton H	6601 4573	9221 18539	5 13	1 8	2	1	-	-	-	-	-	-	-	-	- 1	-	7
40:1	Richmond WH	2272	21302	11	9	2	4	- 1	-	-	-	-			1	1	2	
2	Mortlake	2911	12331	9	6	100	2		-	-			_		_	-	-	-
43:1	Bromley (pt. of) * HH	15669 14807	31142 15844	83	5	1	8	_		-	-	-	-	-	-	-	1	-
42:1	Chishrst(pt.of)* WHH  Bexley H	18437	24184	17	8	1	2	-		-	-	-	-		1	1	-	
2	Dartford (Ww, pts. of)*	-	-	-	2	-	2	-		- [	-	7	-	-		1	2	1
124: 1	Course out 2	11055	11635	8	5	8	1		_	-	_	_	_	-	-	1 -	-	-
2	South Co.	13277	12089	8	5	2	2			_	_	ال	_	-	-	-	-	-
125: 1	Extracting at a second	6029	10802 5225	7 2	2	1	-	-	-		-	1	-	~	-	-		
	Owornage	14587	11523	8	6	1	2	-	-	-	-	-	_	-	-	1	3	
126: 1		7003	22727	20	6	1 2	1 -	-	-	-	_	-	-	-	_	-	-	-
		2477 4345	12479 27649	12 22	9	1	2	-	-	٠-	-	-	-	-	-	1	-	-
	Chiswick	1340	15975	13	5	2	2	1	-	-	1	-		-	-	1	_	-
		6083	22376	22	8	2	1			_	-	-	-	-	-	-	1	-
127 : 1	Harrow H	13809	12796 3749	2	1	-	-	-	-	-	-	-	-	-	-	-	-	1 7
	Willesden	4883	27453	29	21	8	7 2	-	3		-	_	_		-	3	-	-
+ c 37 " )	Hendon W -	8382	10484	10	9	1	1		1	_	-	-	-	-		-	-	-
137 :	Bushey 2 Watford (W, pt. of)* -	9331	6621	1 -	4 -	-	-	-	-	-	-	-	-	-	-	-	-	-
128:	,	15599	6391	4	2	-	2	-	-	-	-	-	-	-	1	1 2	-	1 -
	Barnet	5433 4688	10092	8	6 8	1	2	-	-	-		-	-	-	-	-	.4	-
185 :	Finchiey HL - "  Hatfield (part of) *	8306	583	ı.	1 -	-	-	-	-	1	-	-	-	-	-	-	-	
129:		3039		28	16	4	8	-	1	-	-	-	1	-	-	-	-	-
	2 Tottenham H -	4642	46456	64	27	8	9	-	1	-	-	-	2	-	1	8	. 3	1
	8 Edmonton Ww ‡ 4 Enfield WH -	- 7483 - 12653			11	1	2	-	-	-	-	-	-	-	-	-	2	
	5 Waltham Abbey -	- 11017	5368	6	8	-	1	-	-	-	-	-	-	-	-	-	-	
	6 Cheshunt	- 8430			11		-	-	-	-	-			1		1	1	
186 :	1 Stratford 2 West Ham wwwwH\$	- 882 - 7351		2	11		3	-	6	1	-	-	-	-	-	-	-	2
	3 Leyton WwL -	4875	32430	38	23		5	_	2	-	-	1	-	1	-	- 1		
	4 Walthamstow H				11		5		1	-	1		1.	-	1	1	1.	
187 :	1 Chigwell (part of) * I 2 Epping (W, pt. of)*	1176	9834	10	11		-	1	-	-			-	-				
189	1 Romford (part of) * 1				- 11	_	. 1	-	-	-	-	-	-	-				-
	2 liford 3 Barking Town -	- 8498 - 4128		_			1		1 -		-						2.7 1	
	Darking Lown	*10	930	1 2	11 0	1 '	-	1	1	1	1	1	1					

<sup>\*</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow — 30:2. Epsom sub-district, except the parishes of Ashatead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3. Esher sub-district, except the parish of Esher (pop. 1293); 41:1. Broming sub-district, except the parish of Esher (pop. 1293); 41:1. Broming sub-district, except the parish of Chelsdeld (pop. 247): 135:1, the parish of Nortsow in Hatdeld sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (opc. 375): 139:1, the parish of Dagennam in Romford sub-district; 22:2, Dartford, 137:2, Warford, and 187:1, Epping, sub-districts, deaths in Workhouses, belonging to Metropolitan Police District,

† Exclusive of deaths of London residents in the Holton Union Workhouse and in Metropolitan Asylum; Hospital, Winshaure Hill (see Table 5).

§ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 12th January, 1889.

		Area			L RATE			The DE	ATHS	regi	stered	l in t	he W	eek i	nelud	le	
	GREATER	in Acres,	Estimated		O living.	DEATHS from	Deat	hs of			. 1	Death	s fro	na			ublic ns.
g,	LONDON.	including tidal water and foreshore,	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœa.	Violence,	Deaths in Pu Institution
	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
łR	EATER LONDON	448,334	5,642,015	23.0	2.8	2483	465	735	-	193	18	21	39	14	15	64	430
	INNER LONDON - OUTER RING -	77,410 370,924	<b>4,351,738</b> 1,290,277	24.9 16.5	3·3 1·4	2075 408	373 92	624	100	173 22	17	21 3	37	11 3	12 3	58	399 31

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,249,573 Persons.

			00		Y ASPONIANCE AND ADDRESS OF THE PARTY OF THE								
	POPULATION					ANNUAL	Di	EATHS		i Prin Diseas	ES.	ZYMO	
Cities.	(enumerated or estimated).	DATE OF RETURN Week end		BIRTHS. Exclusive	DRATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœal Discases.
CALCUTTA	433,219	November	24	_	_	1.4	-	_		-	-		_
BOMBAY	773,196	December	18	349	455	26.2	1	3	9	9	2	147	4S†
MADRAS	398,777	November	30	343	318	41.4	-	-	?	5	5	84	52†
PARIS	2,260,945	January	5	1070	970	22.3	3	43	4	40*	3	5	52
BRUSSELS with 8 Faubourgs.)	462,069	29	5	269	207	, 23.3	-	14	-	-	-	1	9
AMSTERDAM .	390,016	39	5	279	180	24.0	-	19		3	2	-	-
ROTTERDAM -	193,658	92	5	141	94	25.1	-		-		1	2	2
THE HAGUE -	149,477	18	5	83	52	18.0	-		-	-	-	-	
COPENHAGEN -	300,000		5				1 + 1	142	17-7	147	-31-		-
STOCKHOLM -	221,549	December	29	147	75	17.6	-		. 7	4*	1	1	9
CHRISTIANIA -	185,600	January	5	70	54	20.6	-		1	6*	2	-	3
ST. PETERSBURG	842,883	December	29	-	481	29.8	-	1	12	10	11	13	64
BERLIN	1,438,006	22	22	930"	525	18.7		14	5	26	8	1	30
HAMBURG(State)	550.694	. 11	29	324	251	23.8	-	-	2	16°	3	9	24
Dresden	259,142	29	29	152	103	20.7	9	1	-	8*	5	1	-
BRESLAU	· <b>3</b> 13, <b>451</b>	January	5	229	128	21.6	-	-	3	11	1	-	5
MUNICH	275,000	December	29	210	160	20.3	-	6	5	10*	4	-	19
AIRMNY	800,836	33 ,	29	460	397	25.8	-	4	1	10	-	4	24
PRAGUE	295,857	93	29		190	33.2	23	1	1	10	_	1 5	2
BUDA-PESTH -	442,787	39	29	361	226	26.5	-	_	3	8	_	-	25
	156,042	32	29	-	87	29.0	6		1				
ROME	388,300	November	24	204	174	23 · 4	2	2	1	2	1	10‡	7
TURIN (10 days)	294,826	υ.	30	228	156 .	19.3	-	-	-	8	_	1	4
VENICE	150,502	December	22	94	81	28.1	-	-	-	1		-	
CAIRO	374,538		20	106	300	41.8	-	-	7-1	- 1	. 5	9	107
ALEXANDRIA -	231,396	23	20	213	194	43.7	- 1	1-	1	1		13	43
NEW YORK -	1,493,000	29	22	-	779	27.2	-	26	52	48	12	7	8
BROOKLYN -	774,870	13	22	- '	341	22.1	-	6	8	19	. 9	8	3
PRILADBLPHIA -	1,016,758	n	22		367	18.8	-	-	14	13	2	6	1
BALTIMORE -	431,879	" , <b>11</b>	22	1 -	137	16.6	7		1 20 . 7	. 7	2	1	2
1				1		-1	!	1	1			-	

\* Including deaths from croup.
 † The deaths returned under "Diarrheal Diseases" include 9 from Cholera in Bombay, and 1 in Madras.
 ‡ Including 6 deaths from Malarial Fever.

TABLE 9. - METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 12th JANUARY, 1889.

											owy										
		Ozone.		0.0	0.0	3.0	3.0	0.0	0.0	0.0	6.0	27	sa; no	ussion ussion or, and sading	he air duced [ygro-	raphic	," and	l, and n the	The	t, show	9-09 in
Rain	collected in a		5 inches above the Ground.	in. 0.00	0.01	0.00	0.55	0.13	0.00	0.13	Sum 0.40	26	vel of the sea; no	n a discrary aromete mean re	re of the are de sher's E	photog	"higher Wo feet	Deptforcons from	rometer s. strong	trument pplying	reek to 2
-	0		Depar- 5 ture from Average of 16 Years.	Miles.	-233	- 79	+ 79	- 22	-150	₹ 1	Sum -760	25	m level o	ured from or the borrected ings of	nperatu umidity by Glai	n of the	dicates th of tr	rket at lastrusti	ng Elect derate;	iine Ins	of the w
		Robinson's.	Horizontal Movement tu of the Air A on each Day.	Miles. 1	M3 00	239	397	297	169	236	Sum 1469	₩ 21	the meand of the the	ne wer one one one of 1873 f	e of ter ree of h	liscussio that of	le years lat + in at a dep	under in	egisterii m. mo	s Sunst unders	ginning
neters.	-			lbs. M	0.	0.3	1.1	8.0	0.0	0.0		23	sabove ea level	sorrections of sean of	y value	om a d	or the	arket,	's self-r weak;	11-Stoke	t the be
Anemor		on the Foot.	Mean of 24 hourly obs.	lbs. 1b	0.0	0.0	0.0	0.0	0.0	0 0.0	:	-	159 fee ce to s	ometer on of c ty year cometer	n dail	ived fi	ne in r	he For	omson ve; w.	ampbe a day.	07 in. 8
d from		Pressure on the Square Foot.	it- Least.	lbs. lb			0 #.2	5.5 0	0.5 0	1.5		1 23	ter is o redu	therm plicati e twen therm	mpera	at der	tric re be bor	s of the	negati	the Con each	om 30°
deduce	200		Great.							-	:	12	arome lings t	builb	ng th int te iry ar	is the 20 ye	will	jettie e Cle	ed fro	from shine cal ob	sht. sed fr
Wind as deduced from Anemometers.	Oalora	irection.	P.M.	CIV & WeW	Calm's SSE	S. & SSE.	SSW. & S.	NNW. &	ESE.	NNE.	able.	30	of the b	alues by t made duri ling 1868 f	ors, forming the description of the contract o	of the air	of the ane and 25 it se.	ne of the	y is derived from Thomson's self-registering Electrometer. The ', positive; N. negutive; w. weak; m. moderate; s. strong; and	29, derived right sun etcorologi	to miding
		General Direction.	A.M.	Calm.	i i	SSE. & SE.	SSE, & SSW.	SW.& NNW.	E. & NE.	E. & NNE.	Variable.	19	The height of the cistern of the barometer is 159 feet above the mean level of the sea; correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the correction of the	eye-realings of the harometer, the dry bulb intermometer, and that the best bull other a discussion of outwerted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty wears ending 1880 for the thermometers. With the corrected mean reading during the twenty were ending 1880 for the thermometers. With the corrected mean reading during the treatment of the reading of the maximum.	of the try our elementaries are coming the mean daily value of temperature of the air and minimum thermometers, forming the motive and degree of humidity are deduced column is. The mean daily day notif bengerature and degree of humidity are deduced from the mean daily values of the dry and wet built thermometers by Ghaisher's Hyppon from the mean daily values of the dry and wet built thermometers by Ghaisher's Hyppon.	inétrical Tables. The upper ture of the air is that derived from a discussion of the photographic Pla uvergret emperature of the air is that derived from a discussion of the photographic Plant and that of horizontal movement records made at Greenwich during the 20 years ending 1868, and that of horizontal movement	of the air from a discussion of the anenomone records 10 the air from a discussion of the air and that the columns 9 and 25 it will be borne in mind that thickets "higher," in reading, the columns 9 and 25 it will be borne in mind that thickets "higher," — "longer," than the average.  — "longer," than the average of the Thannes are suspended at a depth of two feet he	The instruction of the parties of the Foreign Cattle Market at Deptford, and the surface, at the end of one of the jettles of the Market, under instructions from the their requiring are registered by the Clerk of the Market, under instructions from the	Copporation of Lieutricity is derived from Thomson's self-registering Electrometer. The record of Electricity is derived from Thomson's weak; m. moderate; s. strong semployed are :- P. positive; N. negative; w. weak; m. moderate; s. strong in the second of the second	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the negrecache duration of bright sunshine on each day.  The regents of all the meteorological observations are to be understood as applying to the the	civil day, or from midmight to midmight. The reading of the week to 23.00 in. The reading of the brometer decreased from 30.07 in. at the both it decreased to 29.52 in.
		ater imes ord.	Low-	0 0 0			_	35.9 81	0.98	36.3	35.4	18	ht of thas beet	gs of thinto mograph	num t num t ). The	ables.	ing the	e, at th	on or constant	mbers i	or fron
	LUKE.	Of the Water of the Thames at Deptford.	High- I	0000				38.5	39.0	6.68	38.2	17	he heig ection bserval	reading verted he photing the	me ciry minin mmn 8 n the	metrical Tables. The average to	he air in read	surfac	Corporation The recor	the number of the research	il day,
10077	TEMPERATORE.		Lowest E	0 0				35.5		3.8.6	8.97	11:	E 10			E 2	of the state of th	the	) 3:	the	civ
Under the Superintendence of the Asset Comme	TEN	Radiation.	High- est in Sun's Rays.		37.00			45.0	3 : 2.69		47.9	15	-	s. Very	east and	during the	afternoon		cloudy till afternoon; overeast		
remoner	1	Degree of Hu- midity		-	00		27	7-6	44	96	93	14	ŝ	norning	t, over	ast du	till aff		rnoon;		
serince	een	Don's	Least.		0.0	0.0	1.0	0.1	1.0	0.0	10.4	13	REMARKS.	fog and gloom in morning.	norning at nigh	;; overc	cloudy		ill after	d rain.	
THE DIE	ce betw	and Dew Point Temperature.	Great.	0	0.0	P : 9	1 9	7.6	9.9	1.7	9.8	12	L RE	and glo	early r	norning	trtially vards.	rain.	loudy ,t	Mingled snow and rain.	
racer 2	Differen	and D	Mean daily value.	0	0.0	٠	0 67	1.7	70	7.7	2.1	12	GENERAL		fell in	nt in r night.	and ps s afterv	Frequent rain.		ngled s	,
2	-	Of the Dew Point.	Mean daily value.	0	53.6	0.00	2.04	35.4	3 10	32.0	3.3	10	GE	st. Dense	snow	nd brigl	lly fine shower		Fine and partially terwards.		
		0 14	De- parture from verage of 0 years.	-	To 2	0.1	2 4 4	1.	-	4.9	4.2 -	6.		Overcast.	A little snow fell in early morning; overcast fogsy till alternoon; cloudless at night.	Fine and bright in morning; overcast day; variable at night.	Generally fine and partially cloudy trequent showers afterwards.	Overcast.	Fine and	Overeast.	
	MATURI		Mean daily value.	-		1.08	45.4	27.1	36.0	27	85.3	00	above rizon, nours.	0.8	0.8	0.8	1.8		8.1	. 67	Sum 56.5
	TEMPERATUR	Of the Air.	Dally Range.	0	2.6	13.6	4.4	- 0	0 0	4.1	00	1	ed Sun e, Ho B. in ]								-
	T	ō	Low-	0	19.8	22.5	62.0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		₹0.4	6.08	9	Registered Sun above Sunshine, Horizon, in hours, in hours.	0.0	0.0	0.0	1.3	0.0	1.5	0.0	Sum 2.7
			High-	0			1.44		40.8		2.68	10				**	nnder				1
	BARO.	Mean daily reading		in.			29.658		277.62		29.530	-	RICITY. anation				+2			,	
		Phases d	Moon, and dw. Fa					First Qr. 20	:	Apogee. 20	61	Ť	ELECTRICITY. (For explanation of symbols, see Note.)				Instrument adjustment.				
		Id.	0 8	-	9				01 ;	12 Ap	1.	1		9	b-	æ	9	2	- =	12	
		1889.	Month and Day.	JANUARY.	•	•				SAT 1	MEANS	No. of Col.	DATE. JANUARY.	OKDAT.	MONDAY .	TURBBAY .	WEDNESDAY	NO. NO. OF LAND	TAGE	SATURDAY.	

#### OFFICIAL COPY.

# WEEKLY RETURN

#### IN LONDON BIRTHS AND DEATHS

AND IN

## TWENTY-SEVEN OTHER GREAT TOWNS.

## By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

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WEEK ENDING SATURDAY, JANUARY 19.

[Price 1 d.

General Register Office, Somerset House, 21st January, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21.9 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	1	Weeks	ending					Weeks	ending	
Towns.	Dec. 29.	Jan. 5.	Jan. 12.	Jan. 19.	Towns.		Dec. 29.	Jan. 5.	Jan. 12.	Jan. 19.
Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull -	20·3 15·7 29·8 23·9 18·6 16·5 12·9 30·8 12·5 22·1 28·5 12·9	$\begin{array}{c} 13 \cdot 7 \\ 22 \cdot 1 \\ 39 \cdot 2 \\ 25 \cdot 9 \\ 22 \cdot 0 \\ 12 \cdot 9 \\ 21 \cdot 4 \\ 32 \cdot 9 \\ 21 \cdot 7 \\ 20 \cdot 6 \\ 22 \cdot 5 \\ 19 \cdot 1 \end{array}$	26·0 28·3 44·8 24·1 20·0 16·7 25·5 31·9 21·7 25·1 24·2 18·8	21·9 34·9 20·5	Salford* - Sheffield -	- ne*	20·0 25·1 23·3 15·6 16·7 24·5 31·6 19·1 23·7 22·4 24·3	29.6 21.4 28.0 20.1 23.2 20.6 23.8 21.3 23.3 27.0 23.8 20.3 23.8	24·9 34·6 23·7 24·8 18·2 26·7 21·3 21·1 30·5 26·7 26·0	$\begin{array}{c} 21 \cdot 2 \\ 26 \cdot 9 \\ 20 \cdot 4 \\ 20 \cdot 4 \\ 16 \cdot 2 \\ 28 \cdot 2 \\ 24 \cdot 0 \\ 20 \cdot 7 \\ 24 \cdot 5 \\ 19 \cdot 6 \\ 22 \cdot 0 \end{array}$
Leeds - Leicester* -			1	15.6	Volverhampton	-		19.0		

The highest annual death-rates, measured by last week's mortality, were:—from measles, 3.2 in Cardiff, 3.5 in Liverpool, 3.7 in Oldham, 4.2 in Salford, 4.5 in Huddersfield, and 5.6 in Blackburn; from whooping-cough, 1.4 in Cardiff, 1.6 in Birmingham, and 2.0 in Preston; and from scarlet fever, 1.1 in Sheffield, 1.2 in Manchester, 1.3 in Blackburn, and 1.5 in Oldham. The rate from "fever" did not reach 1.0 in any of the twenty-eight towns. The 57 deaths from diphtheria in these towns included 38 in London, 4 in Manchester, 3 in Liverpool, 2 in Salford, 2 in Oldham, and 2 in Portsmouth. No death from small-pox was registered in any of the twenty-eight great towns.

#### LONDON.

In LONDON 2837 BIRTHS and 1769 DEATHS were registered. Allowing for increase of population, the births were 48, and the deaths 205, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21.4 and 24.9 in the two preceding weeks, declined last week to 21.2. During the first three weeks of the current quarter the death-rate averaged 22.5 per 1000, and was 1.0 below the mean rate in the corresponding periods of the ten years 1879-88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated,

The 1769 deaths included 121 from measles, 19 from searlet fever, 38 from diphtheria, 36 from whooping-cough, 7 from enteric fever, 11 from diarrhea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or cholera; thus, 232 deaths were referred to these diseases, being 3 above the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 14. small-pox patients were under treatment at the end of the week in the Metropolitan Asylum Hospitals, and only 1 in the Highgate Small pox Hospital. [The fatal cases of measles, which had been 143 and 176 in the two previous weeks, declined last week to 121, and were fewer than in any week since the middle of November, but exceeded the corrected average by 78; 8 belonged to Islington, 10 to Bethnal Green, 11 to St. George Southwark, 5 to Bermondsey, 10 to Lambeth, 15 to Battersea, and 13 to Camberwell sanitary areas. The 19 deaths from scarlet fever showed a further increase upon the numbers in the two preceding weeks, but were 20 below the corrected average; 3 belonged to Bethnal Green, 2 to Mile End Old Town, and 4 to Poplar sanitary areas. At the end of the week the Metropolitan Asylum and the London Fever Hospitals contained 687 scarlet fever patients, against numbers declining in the nine preceding weeks from 980 to 693; 51 cases were admitted during the week, against 60 and 41 in the two previous weeks. fatal cases of diphtheria, which had declined in the four preceding weeks from 39 to 21, rose again last week to 38, and exceeded the corrected average by 22; 3 belonged to Kensington, 2 to Chelsea, 2 to Westminster, 2 to Bethnal Green, 2 to St. George-in-the East, 4 to Stepney, 2 to Poplar, 2 to Bermondsey, 5 to Lambeth, 2 to Battersea, and 3 to Camberwell sanitary areas. The 36 deaths from whooping-cough were within one of the number in the previous week, and were 47 below the corrected average; 18 belonged to the South group of sanitary areas, including 4 to Camberwell and 4 to Greenwich. The 11 deaths attributed to diarrhæa and dysentery were 3 below the corrected average.

The deaths referred to enteric fever, which had been 14 and 10 in the two preceding weeks, further declined last week to 7, and were 10 below the corrected average. The Metropolitan Asylum Hospitals contained 66 cases of enteric fever, and not one of typhus on Saturday last; 8 cases of enteric fever were admitted

during the week, against 2 and 4 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 412, 484, and 652 in the three preceding weeks, declined last week to 492, and were 74

below the corrected average.

Different forms of violence caused 63 deaths; 54 were the result of negligence or accident, among which were 21 from fractures and contusions, 5 from burns and scalds, 5 from drowning, 2 from poison, and 17 of infants under one year of age from suffocation. The 21 deaths from fractures and contusions were thus caused:— 8 by accidents from vehicles in street; 1 by accident on railway; 4 by fall down stairs; 1 by fall from pigeon-house; 1 by fall from oil tank; 1 by fall down shaft of subway; 1 (intoxicated) by fall from window; 1 (intoxicated) by fall against fender; 1 by fall in room; 1 crushed by sack of oats; and 1 by fracture, the cause of which was not stated. An inquest was held in each of these 21 cases except the Eight cases of suicide were registered.

The death was registered last week, in the Sick Asylum, at Bromley, of a woman

whose age was stated by her son to be 108 years on the 21st of December last.

GREATER LONDON.

In Greater London 3731 births and 2172 deaths were registered, corresponding to annual rates of 34.5 and 20.1 per 1000 of the estimated population. In the Outer Ring 9 deaths from measles, 4 from diphtheria, and 4 from whooping-cough were registered. The fatal cases of measles included 4 in West Ham sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30.02 ins.; the lowest reading was 29.55 ins. at the beginning of the week, and the highest 30.26 ins. on 'I bursday evening. The mean temperature of the air was 37° 8, and 0° 8 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on each of the first five days of the week, but showed an excess on Friday and on Saturday. The direction of the wind was variable, and the horizontal movement of the air averaged 7.4 miles per hour, which was 6.2 miles below the average in the corresponding weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0.02 of an inch. The duration of registered bright sunshine in the week was 1.5 hours.

TABLE 1.-BINTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 19th January, 1889.

1-			_	-	_	_	-		_			_								_											-		
		OUTLES AND BOROUGHS.	Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	l'ortsmouth.	PLYMOUTH.	BRISTOL.	WOLVERHAMPTON.	BIRMINGHAM	LEICESTER.	NOTTINGEAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	HOLTON.	MANCHESTBE.	SALFORD.	OLDHAM.	DEACKBURN.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIRED.	HULL.	SUNDERLAND.	NBWCASTLE.	CARDIER.		EDINBURGH.	DUBLIE.
	RAINFALL.	In Centi- metres.	24.	0.50	0.02	00.0	ı	0.02	0.0	0.03	,	1	0.53	1	1	94.0	1	1	'	ı	1 1	,	3	8.00	1	,	0.62	0.58	19.0	ı	00.	0.69	6.63
	RAIN	In Inobes.	23.	80.0	0.0	00.0	1	0.05	00.0	10.0	,	1	0.51	1	1	0.18	1	1	1 .	1	1 1	1	3	0.03	ı	1	0.10	0.11	0.50	1	40.0	0.47	0.52
THE AIR.	Monn	entigrade.	22.	3.89	3.22	3.55	1	4.56	3.72	2.44	,	I.	2.89	1	1	46.4 46.4	ı	1	ı	1	1 1	1	4	4.38	1	1	3.72	4-72	4.78	ı	60.7	5.50	2.61
E OF TH	34	·tisdnsrds	21.	39.0	87.8	87.8	1 1	40.3	38.7	\$6.4	,	1	37.2	1	, ,	6.04	1	1	1	1	1	1	ŧ	39.7	1	1	28.2	40.2	40.6	ı	0.00	41.9	42.1
TEMPERATURE OF THE AIR.		Highest Parenheit.	20.	30.2	32.1	33.0	1 1	35.0	33.0	30.2	,	ı	32.3	ī	1 0	93.0		1	8		1	1	1	33.7	1	•	32.0	33.0	34.0	1	20.60	34.1	6.68
TEMP	•	Highest	19.	54.0	51.3	47.0	1 1	0.19	25.0	20.8	1	1	21.19	1	1 5	0.40	1	1	1		1	1	ı	52.5	1	1	53.0	53.0	24.0	1	KA. H	54.5	
Rate	onding	From Diseases in Cols. 6-12,	18.	3.1	8	1.3	2.5	1.3	3.0	0.0	8.7	2.1	37	1.1	D 0	3 00	1	G 0	0 9	9.8	0.8	5.1	9.0	0.7	4.5	4.5			0.1	9.9	0.1	3.7	1.5
Annual Kate	corresponding to the	From All Sasses.	17.	21.9	21.5	16.3	7.07	0.43	25.22	22.1	6.13	12.6	16.2	15.9	18.6	20.0%		6.97	0.86	84.9	24.2	23.6	₹.97	9.91	0.97	55.0	2.11	0.13	20.4	33.8	10.01	26.8	31.2
-		behitreenU tel to sesusU	16.	29	18	1 -	٠ ،	1	85	ı	4	1	ಣ	-	l a	. I		1 00	- 10	. 1	1	-	4	C4	67	-	G1	1	ī		10	30	91
		Deaths in Public Bildudions	15.	650	386	27 9	9	1	14	×0	50	9	20	10 T	-1 O	2 4		45	- %	000	10	4	-	9	∞	12	ಣ	Ç	10	90		4 4	
		fnquest Case	14.	280	21	20 4	F1 p=4	1	14	83	18	9	9 .	2	N 0	j 4		00 0	4	4 60	61	ı	1	63	19	4	4	10	9	ೲ	0	. 0.	4
lude		√1016пе€.	13.	135		- 1	1	1	io ,	-	90	eT :	00	oo .	7 7	P -	1	10	1 01	0 00	r=4	ı	1		_	က	4	67	တ	1	-	F 00	· 00
ek inc		.sendrisiQ	12.	31	11	1 1	Н	г	1	1	ı	Н	-	1	1 0	3 6.	1	l r		1 0		1	1	-	0.1	00	1	Н	ı	1	6	1 00 F	-
The DEATHS registered in the Week include		Ferer.	11.	27	1-	1 -	4 1	1	<b>63</b>	1	63	1 1	_	I T	4 4	4 1		1 0	3 1	1	-	1	ı	Н	67	1	ı	Н	i	H	- 6	3 63	· co
od in	from	Whooping-	10.	86	36	1 1	61	н	ı	3	14	-	₹	r ,	-1 0	> -	,	H -		1 67	4	ı	f	00	6	73	1	П	7	ಣ		12	ဘ
egister	Deaths from	.airadtdqiQ	9.	22	80	1 6	1 1	ı	ı	1	1	1	Н		н о	۱ د		4 0	21 0	1 1	1	1	-	1	1	_	1	-	1	1		9	
THE		Searlet Fever.	00	63	19	1 1	-	1	-	1	ı	1 1	~	1 ,	ч, к	1 6	,	o -	4 49	00	1	ı	1	67	9	1-	1	ı	<b>61</b>	-		411	00
he DE		Measles.	7.	293	121	n 1	ı	1	10	ı	00	4	©1	1 0	5 E	7.7	4	14	91	2 6	1	00	1	6.1	51	12	1	1	1	-	-	10	1
H		Small-pox.	6.	1	1	1 1	1	1	1	1	1	1	1	1	1	1 1		ı	1 1	1	1	1	1	ı	ı	1	1	ı	ı	1		1	1
	to 81	Persons aged 60 Years and upwards.	5.	1020	508	15	12	00	56	Ħ	42	6	55	10	20 2	5 =		10	9 12	20	15	6	15	23	33	55 F	1.0	13	10	16	88	3 28	69
	Deat	Infants under I Year of	4.	928	873	1 01	9	11	61	1	20	Ħ	17	41	21.00	3 %	,	33	17	00	14	00	14	20	40	85 85	14	12	11	56	70	52	31
during	,		\$0	4011	1769	20 TO	87	36	66	e e	191	45	7.4	000	36	45	2	195	21 6	55	49	42	41	72	178	138	46	54	3	73	26	271	213
Registered during	the Week ending	BIRTHS, DEATHS.	33	6274	2837	105	87	19	155	94	256	88	148	09	64	96		280	98	200	7.4	48	52	131	252	195	122	86	121	7.4	141	385	187
		to the middle of the Year 1889.	1.	9,555,406	4,351,738	121,807	94.510	78,225	229,361	82,544	454,835	150,520	237,812	(8,529	102,541	114.670		008'843	149.405	121.275	104,194	92,825	81,080	255,056	357,449	527,227	208,017	134 193	160,988	112,712	266,900	528,144	353,082
1			Cols.	•	٠	•		•	•	HON	•			•				• •	•	•		. 0	•	•		•	•	•	•	•	•	•	•
	OTTIES	AND BORUUGHS.	0	28 TOWNS *	LONDON .	Визентой	PORTSMOUTH .	PLYMOUTH -	· TCISINH	WOLVERHAMPTON	BIRMINGHAM	LEICESTER *	NOTTINGHAM	DERBY	BIRKENHEAD	BOLTON		MANCHESTER CATEODO	OLDHAM -	BLACKBURN -	PRESTON .	HUDDERSFIELD	HALIFAX .	BRADFORD*	LEEDS	SHEFFIELD .	Output .	NEKLAND	DEWCASTLE-	CARDIEF.	EDINBURGH -	GLASGOW	DUBLIN -

TABLE 2. LONDON .- Births and Deaths Registered in the THIRD Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	18'8	Corrected Weekly Average in 10 Years 1879-88.*	1889
TOTAL Births  Males Females .	2658 1358 1300	2644 1340 1304	2192 1127 1065	2629 1332 1297	280 t 1416 1388	2718 1364 1354	2803 1347 1456	2667 1391 1276	2655 1385 1270	2688 1304 1384	2895·1 1457·2 1427·9	2837 1430 1407
TOTAL Deaths  Males Females .	1947 983 964	1900 931 969	2016 1032 984	1700 856 844	1663 869 794	1578 777 801	1807 847 960	1738 874 864	1757 862 895	2000 1021 979	987·1 987·3	1769 899 870

<sup>\*</sup>The numbers in this column are the average weekly numbers in the third weeks of the ten years 1879-88, raised by 9'046 per cent. for increase of population.

TABLE 3. L()ND()N.-BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

1 2 1011	E 3. LONDON.—B										1			-
		Oct. 27.	Nov.	Nov. 10.	Nov. 17.	Nov. 24.	Dec.	Dec. 8.	Dec. 15.	Dec. 22.	Dec. 29.	Jan. 5.	Jan. 12.	Jan. 19.
TOTAL	Births	2666	2373	2770	2606	2722	2367	2644	2291	2655	1876	2855	2638	2837
	Deaths	1787	1613	1520	1619	1409	1352	1461	1455	1802	1641	1784	2075	1769
Ages at Death	0-20 years - 20-40 ,. 40-60 ,, - 60-80 ,, - at 80 years & upwds.	849 199 293 325 71	770 189 275 310 69	769 186 227 288 50	825 179 284 260 71	724 167 212 257 49	701 164 217 223 47	765 177 243 228 48	720 178 247 251 59	888 197 286 356 75	779 173 277 335 77	825 204 303 366 81	850 218 333 506 118	776 197 288 428 80
17	Under 1 year 1-5 5-20	423 329 97	383 297 90	400 281 88	377 332 116	342 292 90	327 288 86	375 296 94	307 314 99	390 375 128	345 341 93	372 338 115	373 370 107	373 315 88
Deaths f	mom Small-pox Measles Scarlet fever Diphtheria Whooping-cough Typhus Enteric fever SimpleConta fever Diarrhoca and Dysentery Cholera	1 100 25 31 18 - 17 2 30	1 88 24 32 19 - 22 -	109 18 34 15 - 14 -	124 31 44 17 - 15 -	138 20 41 19 1 15 1 18	141 24 34 20 - 11 1 13	139 30 35 13 1 12 -	154 17 39 14 - 18 -	184 25 39 25 - 12 - 16	147 20 34 28 - 8 - 14	143 12 33 32 - 14 1	176 17 21 37 10 1	121 19 38 36 - 7 - 11
. 22	" all the above-)	225	220	208	247	248	245	249	253	301	251	246	275	232
22 22 22	,, Dis. of Respira- tory System } ,, Phthisis - ,, Dis. of Circula- tory System }	522 157 129	441 149 138	373 126 133	374 152 108	287 132 105	258 136 96	277 144 101	330 160 109	153 127	412 152 130	484 154 160	652 187 195	492 136 155
Violent Inquest Deaths	Deaths Cases in Public Institutions	57 120 395	59 117 369	50 110 346	60 117 371	105 311	54 103 311	62 120 302	40 86 353	81 154 395	52 107 335	61 132 360	58 143 398	63 121 <b>3</b> 86
Mean	and the Are of the Are of Highest readings - of Lowest readings -	49·2 58·5 40·6	54.7	47.0	55·4 45·2	53.4	49.6	54.0	27.9	40·4 44·4 36·0	47·8 36·6	31·8 36·1 27·1	39.7	37·8 41·0 34·0
Rain-fa	ity of the Air	89				81 0·11 6·2	89 1·77 6·0	87 0·17 11·5	1	94 0·13 6·2	90 0·66 4·6	93	93 0·49 2·7	87 0·62 1·5

## METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., F.R.Met.Soc., Brighton. John Merrifield, Esq., J.L.D., Flymouth: R. C. Cann Lippincott, Esq., Bristof; L. Smipson, Esq., Wrotesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham: J. Hartnup, Esq., F.R.A.S., Liverpool: H.O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

c 3

Table 4. LONDON.—Deaths Registered at several groups of Ages from different Causes in the Third Week of the Year 1889.

		18						11.	AUA	O1	the Year 1889.									
	for the		Satu	In the	e We	eek e h Ja	endir nuar	1g y 188	39.	1		for the		Sati	In t	he V	Veek h Jai	endi:	ng 7 188	9.
	es for		1	Death	s of the	Per	sons	of				es for			Death	18 Of		ons (		
CAUSES OF DEATH.	weeks of the 10 y		I	Unde	er	40,	909	1 3	anu		CAUSES OF DEATH	Verages f		T	Und	er f	10,	1.08	1 8	10
CAUSES OF DEATH.	ed A eeks	GES.	-	20.	_	under	under	nopun	Le al	rds.		A SE	AGES.	П	20.		nader	under	under	b Saud
	Corrected 3rd Week	ALL AG	0-1.	1-6.	6-20.	20 and 1		pue	K <sub>0</sub>	upwa		Corrected 8rd Wee	ALL AG	i.	1-0.	-20.	and	SBul	n and a	V Years
ALL CAUSES	i	ï		1	i	1		1	1			19.	1 3	1 2	1 -	1	25	3	1 E	18
	1974.4	1769	9 373 	315	88	197	28	8) 42	8 80	-	Diseases of Organs of Special Sense † }	2.6	-	-	-	-	-	-	-	-
Small- Vaccinated; - Unvaccinated	14.0	-	-	-	-	-	-	-		ш	Diseases of Circulatory	142.6	155	2	1	3	24	41	75	9
(No Statement	) (	107	-	-	-	-	-	-	-		System}		_	- -	-			_	_	_
Measles Scarlet Fever	39.8	121	19	94	8	-	-	-	1	- 11	Croup	17.3	15	1	13	1	-	-	-	_
Typhus	0.4	-	1 -	12	5	-				ш	Bronchitis Pneumonia	371.1	345 93	55 24	45 21	1 2 4	14	52 15	145 23	82
Relapsing Fever t	0.0	-	-	-	_	_	_			Н	Pleurisy Other Diseases of Respi-	6.4	6	-	-	-	2	2	23 2	-
Influenza	0.0	-	-	-	_	_	! _	-	-	П	ratory System}	52.8	33	3	3	2	1	8	14	2
Whooping-cough	83.3	86	12	24	-	-	1 -	-	-	11-					-		-		-	
Diphtheria	15.2	38	3	24	10	-	. 1	-	-	Ш	Dentition † Quinsy, Sore Throat † -	14.3	15 8	12	3	-	1		-	-
Simple Continued and )	2.1	-	-	_		_	-	· _	-	н	Enteritis	2.0 7.3	7	4	-	1 - 2	1	1	1	-
Ill-defined Fever - } Enteric Fever	17:3	7	-	_	5	2	1			ш	Peritonitis Diseases of Liver	30·5	27	ī	1	2	2	13	11	-
Cholera	0.2		1	-	_	_		-	-	Ш	Other Diseases of Digestive System	32.0	36	8	2	1	5	9	10	1
Diarrhœa, Dysentery -	14'1	11	7	2	-	_	-	2	-	11-	Digustare System -)				_	-		-	_	
Remittent Fevert	0.6			-	-	-	-	1	-	П	Diseases of Lymphatic)									
Hydrophobia	0.1	4	-	-	-	٠	-	-	-	н	System & of Ductless	2.4	3		٦	E	2	1	-	-
Glanders	0.1	-	-		-	-	~	-	-	-	Cronias							_		
Cowpox and Effects of Vaccination † -	0.0	-	-	-	-	-	-	-	-	H	Diseases of Urinary	42.5	42	-	2	2	8	13	16	
Venereal Affections -	13.2	13	11	=	~	1	_	1	-	Ш	System}	740			-	4	0	10	10	1
Erysipelas	7.6	4	2	-	-	_	_	2	-	11-										-
Pyæmia and Septicæmia †	4.1	1	-	1	-	_	-	_	-	H	Diseases of Generative	6.2	1			-	1	-	-	- 1
Puerperal Fever	6.9	4	-	•	-	4	-	-	-	11	Accidents of Childbirth -	3.2	1	-	-	-	1	-	-	-
Other Zymotic Diseases †	2.4	3	1	2	-	- 1	-	-	-	$\parallel$							-			-
Thrush	1.9	4	4					_		Ш	Diseases of Locomotive	6.8	12	-	1	5	3	~	3	-
Worms and other Para-	r i	-	-		-	-	-	-	-	-	,			-				-	-	-
sitica! Diseases}	0.3			~	-	-	-	-	-	11	Diseases of Integumen- }	8.0	8	4	1		1		2	
						-	-			-	tary System 5			-	_		-			_
Starvation, Want of Breast-milk † -	0.0	-	-	-	-		-	-	-	Ш										
Alcoholism	2.0	10		-	_	5	5	_		Ш	VIOLENT DEATHS.\$									
				-	_	-	-	_			ACCIDENT.)				ł					
Rheumatic Fever,	11.3	5	_	_	1	2	1	1			Fracture and Contusion Gunshot Wound	17.6	21	-	-	2	5	4	7	8
Rheumatism of Heartf } Rheumatism †	2.9	1				2	- 1	1			Gunshot Wound Cut, Stab	0.8	ī	_		_	-	1	-	-
Gout	4.4	2			-	-	1	1			Burn and Scald Poison	11.8	5 2	-	3	1	1	-	-	-
Rickets +	3.5	6	2	4		-	-	2		ш	Drowning	4.4	5 19	~	2	1	3	1	-	-
Cancer	57.6	66	-	-	_	9	33	22	2		Suffocation Otherwise	18.7	19	17	2	-	-	ī	-	-
Tabes Mesenterica -	24.6	25	11	10	1	2	1	-	_						_		-		-	-
Tubercular Meningitis -	26'2	23	3	10	9	-	1	-			(Homicide.)									
Phthisis	184.8	136	8	-	8	72	45	8	-		Murder & Manslaughter	1.9	1	-	-	-	1	-	-	-
Scrofula, Tuberculosis -	15.2	20	6	8	3	1	2	-	-	-					-	-	- -		-	-
Other Constitutional }	11.7	10	-	1	-	3	4	2			(Suicide.)									1
		-			-	- -	-	-			Gunshot Wound	0.8	1	-	-	-	1	-	-	-
Premature Birth	43.2	40	40	-	-	-!	-	-	-		Cut, Stab Poison	1.8	1 2	_	-	ī	1	1	-	-
Ateleotasis t	4.4	2	2	-	-	-	-	-	-		Drowning	0'4 1'3	4	-	-	=	-	2	2	-
Congenital Malforma-	6.3	15	14	1	-	-	-	-	-		Otherwise	0.2	-	-	-		-	-	-	-
Old Age	71.8	43	-		- 1		_	23	23	-						-   -			- -	-
1 -		-	-	-	-	-	-		20		(Execution.)									
Apoplexy	56.4	89	1		-	2	11	22	8	1	Hanging	0.0	-	-	-	-	-	-	-	-
Epilepsy	9.1	7	1		1	2	2	1	-	-					- -	-	-			-
Other Diseases of Brain	28.3	51	44	7	-	-	-	-	-	1	Omnes Carrens t	07.7	49	41	0			,	0	,
and Nervous System	97.0	83	13	13	9	6	12	27	3	1	OTHER CAUSES †	67°7	20	41	3			1	3	1
				1	1.		1	1		1		1	- 1			1		- 1		1

e numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9'046 per cent, for increase of population the ten years average could not be correctly ascertained, the average for the seven years 1882-8 has been used.

See cases of small-pox only are returned as "vaccinated" or as "unvaccinated." which are so certified by registered medical men. When the called the decase has, or has not, been vaccinated, or when the cause of death is not certified by a registered oner, the case is returned under the heading "no statement." ortilence at inquests is often insufficient to enable (the Coroner to certify whether a violent death be the result of accident, murder, urghter, or suicide. All such cases are classed under "accident or negligence."

A 57026.-3.

TABLE 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarlet during the Week ending

							The	Dea	mas i	eagint.	ared i	n the	Wee			11 00	K CH	
,				Dest	hs of	1	7.110	DEA	110		hs fro							
re(HSTRATION SUB-DISTRICTS.	Enume- rated Fopu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cougn.	Typhus.	Enterie (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public lustitutions.	Uncertified Causes of Death.
LCNDON	3,815,704	2837	1769	373	508	-	121	19	38	36	-	7		11	63	121	386	18
WEST DISTRICTS  NORTH DISTRICTS  CENTRAL DISTRICTS  EAST DISTRICTS  METROPOLITAN ASYLUM HOSP PITALS OUTSIDE REGISTRATION LONDON	669,688 905,947 282,238 692,738 1,265,148	439 598 157 559 1084	301 362 126 335 644 1	67 76 23 68 139	93 119 35 90 166		11 12 8 18 72	2 5 2 6 3 1	7 4 3 9 15	3 7 4 4 18	1 1 1 1	1 8 1 - 2	-	1 4 5 -	3 14 3 17 26	15 27 6 39 34 -	88 75 40 90 92 1	2 1 1 1 13
WEST DISTRICTS.  St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.  Kensington Town Ww - W.M. & C.  Brompton H - W.M. & C.  St. Peter Hammersmith - W.M. & G.J.  W.M. & G.J. W.M. & G.J.  W.M. & G.J. W.M. & G.J.	69888 37380 120141 48010 7599 64340	57 13 66 17 4 58	16 12 49 10 2 31	5 2 8 2 1 7	5 3 19 3 1	11 11 11	8 1 1 1 1 1 3	1	2 1	11 11 11	11111	- - - 1		-	1	1 1 4 - 8	4 2 16 3 -	1
St. Paul Hammersmith W.M. & C. Fulham Wewo — W.M. & C. Chelsea South HHII — C. Chelsea North-east — C. Chelsea North-east — G.J. Belgrave WHHI — C. St. John Westmuster HHI — C. St. Mayrere Westminster H — C.	42900 80396 24925 32807 80353 59220 35496 24679 29941	71 22 28 25 11 28 19 8	45 16 15 16 19 33 15 8	12 8 1 4 8 4 6 2 1	17 1 8 2 11 10 4 1	1 111 1111 1	1 - 2 2 2 -	1	2 2	1 - 1 - 1 1				1111111	1	2 1 1 1 1 1	14 4 10 - 13 15 - 3 1	
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.  NORTH DISTRICTS  All Souls Marylebone HHHH - W.M. Cavendish Square HHHHH - W.M. Rectory Marylebone WH G.J. & W.M. Christohurch Marylebone H - W.M. Christohurch Marylebone H - W.M. Ilampstead WwwHHHH N.R. & W.M.	18608 26759	9 3 13 4 13 43 17 9	8 10 4 7 5 15 7 22	1 2 1 2 2 1	3 1 2 3 - 3 3 11	1 111111		1 11111	1 111111	1	1 111111	1		111111	1	1 1 1 1 1 1	3 - 2 - 1 - 4	1
Hampstead	39115 27729 30247 84369 17811 87487 67946 100976 61895	17 7 10 25 14 55 52 67 44	8 18 15 12 13 31 43 33 24	2 6 - 2 1 5 10 14 5 9	1 8 8 9 12 17 5 8 7	11111111111	521	1	2	1 2 - 1 1	111111111	1		1 2	1 1 1 3 -	2 - 1 1 - 3 5 1	6 3 2 10 5 19	
Highbury H - N.R. Stoke Newington H - N.R. Stamford Hill - E.L. West Hackney H - E.L. South Hackney - E.L. CENTRAL DISTRICTS.	52048 22781 9277 87610 76911 39383	34 16 11 30 54 33	25 2 1 15 38 14	9 - 6 5 1	- 3 13 6	111111	1 2 1	- 4	1 1 -	1	11111	111111		1	- - 1 3 1	2 - 3 4 1	- - 2 18	11.114
St. George Bloomsbury - N.R. St. Glies South WH - N.R. St. Glies North N.R. St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R. St. Clement Dance H - N.R. Strand Union Workhouse, Edmonton w.	16681 14864 13837 17508 7515 8559	10 8 5 5 2 2	11 3 9 4 6 -	1 1 - 2	3 6 1 1 1		1	1111111	1 2	1 - 1		1	111111	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1	6 - 4 - 7	1111111
St. Geo-the-Martyr HHHHHHH N.E. St. Andrew Eastern W - N.R. Salfron Hill H - N.R. St. James Clerkenwell - N.R. Amwell Clerkenwell - N.R. Pentonville - N.R. Pentonville - N.R. Coswell-street - N.R. City-road HHL - N.R. Whitecross-strest - N.R. Finsbury Union Workhouse, Mitcham, w. Holborn Union Workhouse, Mitcham, w.	18671 10706 6588 17516 19281 14773 17506 11541 18628 9217 7468	13 4 12 15 8 16 13 16 2 2	7 8 7 7 2 4 2 5 4 1 2	8 -1 -2 1 -2 	1 2 2 2 2 2 2 2		1 - 1	111		1	11111111111				7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1	
St. Butolph   H   N.K.&E. L.	7193 5358 8396	6 8 1 5 - 2	6 1 13 5 3 2	3 -1 1 1 1 -	2 1 2 3 2 1	11111	11111		11111	-		111111	11111	1 1 1 1 1 1	1111	2 1 -	11 -	11111

NOTA.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated thereta, namely: W-Workhouse Establishment receiving immates from other Districts than that in whom it stands see note at the foot of next page. The Koman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East London; and K. the Kent Company.

FEVER, DIPRTHERIA, WHOOPING-COLGE, FEVER, DIARREGA, VIOLENCE, &c., registered in each Sub-district

Saturday, the 19th January, 1889	• •															()		
				-			Th	e DE	TH8	regist	ered i	in the	Wee	k inc	lude			
	Enume-			Dea	ths of					Deat.	hs fro	m					1	100
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881.	Total Births.	Total DEATHS.	Infants under ! Year of Age.	Persons aged 60 Years a upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enterio (or Typhoid) Fev.	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
FAST DISTRICTS.  Holywell Shoreditch - N.R. & E.L. St. Leonard Shoreditch HL* - N.R. Hoxton New Town w N.R. Hoxton Old Town N.R. Haggerston WH N.R. & E.L.	7376 14967 29937 28086 46275	7 12 88 28 28 35	16 15 5 20	- 8 1 1 8	1 5 12 - 9	THE STATE OF	1	11111	11111		11111	11111	1111	11111	1 - 3	1 8 1 - 3	2 8 10	1111
Hackney-road H- / E.L. Green, Rethnal Green WHL* - E.L. Cburch, Bethnal Green E.L. Town, Bethnal Green E.L.	29738 47932 29981 19310	26 45 82 8	15 25 15 48	6 3 5 1	6 6		2 3 4 1	1	2	-	1111	1111	1111	1	111	2 -	10	1111
"pitalfields E.L. & N.R. Mile End New Town # E.L. Whitechapei Church # E.L. & N.R. Goodman's Fields E.L. Aldgate E.L. N.R. & E.L.	22585 15478 17490 9713 6102	12 16 14 1 6	11 13 1 8	2 3 -	2 6 5 -	1 1 1 1 1	11:11	11111	1111	- 1		11111		11111	3	4	5 17 -	11111
St. George's North F.L. St. John, St. George East W - E.L.	88747 8410	85 9	9.	3 -	2 7	-, -,	1 :		1 -	-	-	-	-	-	-	1.	8	-
Shadwell HH E.L.& N.R. Rateliff E.L. Limehouse E.L.	10395 16107 82041	7 9 25	10 8 7	2 1 2	3 3		1 -	1 -	1 10 10	1.17		-		1.1.1	1	1	8	î
Mile End Old Town West - E.L. Mile End Old Town East WwwH- E.L.	87960 67658	21 61	12 87	9	5		2	1	-	-	-	-	-	4.1	1 -	3	9.	=
Bow E.L. Bromley $wwH$ E.L. Poplar $WWH$ E.L.	\$7074 64859 55077	27 50 40	15 34 27	2 8 6	1 8 5		1.	8 -	1 1 -	3		1 1 5		-	3	6	2 12 3	-
South Districts.  Christopher Southwark WH L. & S. S., Saviou Southwark - S. Kent-road Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. & S. St. Mary Newington - L. & S. L. & S. St. Mary Newington - L. & S.	18668 14999 21881 15958 21818 26672 59565 21628	5 16 18 13 12 23 57 16	5 5 9 12 13 16 84 12	1 3 5 8 1 8 5	2 2 1 2 3 12 8		1 2 4 5 1 8 -		1	- 2	111111111	1	1111111		1 1 1	1 1 1 1 1 1 1	1 - 7 - 7	1111111
St. Olave WH 8, & L.  Leather Market 8, & L.  St. Mary Magdalen W 8.  St. James Bermondsey - 5,  Rotherbithe WH 8, & K.	11956 16800 15669 54688 86024	30 17 17 58 82	20 4 10 21 14	1 3 6 2	2 - 3 6 5	11111	5 1 2 -	11,1	1	1 1	11111	11111	11111	11111	4 2	5 - 3	15 - - 4	1 -
Waterloo-road lst H L. & S. Lambeth Church lst H - L. & S. Lambeth Church 2nd W W - L. & S. Lambeth Church 2nd W W - L. & S. & L. Kennington 1st - S. & L. Kennington 2nd - S. & L. Kennington 2nd - L. & S. & S. & C. Kennington 2nd - L. & S. & L. & S. & C. & S. & C. & S. & C. & S. & C. & S. & S	15195 16351 19876 39859 45282 35882 62837 19017	14 19 15 80 85 21 88 16	6 11 12 20 21 15 19 7	2 8 1 2 5 1 4 4	1 1 9 4 6 4	1111111	8 1 2 2 1 1		1 2 3	1		1	1111111	1	1 2 2 1 - 2 - 2 -	1 2 2 1 - 2 -	- 187	1 1 1
East Battersea	5467 5 52587 36380 28004 13285 25553	61 57 24 27 7 26	19 40 10 11 5 8	7 7 4 4 1 -	2 7 8 1 - 8		5 10. 2 1 1	1	1	2		111111	111111	1	ī. -	3	5 - 1	1 1 7
Dulwich L. & S. Camberwell $WwL^*L^*$ - S. & L. Peckham $W$ S., L., & K. S. George Cumberwell L. & S.	5590 59104 71089 50810	2 51 54 44	2 49 86 27	8 9 9	1 12 12 5		2 7 4		1	3	-	-			1111	1 1 1	19 2	ī -
it. Paul Deptford ww K. St. Nicholas Deptford K. Greenwich West H K. Greenwich East WHH K.	76752 7901 21972 24608	82 9 11 27	47 5 11 19	10 3 - 2	15 -4 7	1111	1	2	1 1	3 - 1		11.11	-	1111	1 1	1 1	3 - 10	1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	1 8 16 25	1 7 8 8	2 2 2	1 1 5 2		2 2	1111	1111		11911	-	-	1		1111	2 1	1111
Charlton H K. Woolwich Dockyard K. Woolwich Arsenal HH K. Plumstead, West H K. Plumstead, East W K.	10980 17617 19048 14009 19241	10 10 13 13 29	6 7 7 7 18	1 1 1 1 3	1 8 2 4 7		11111	11111	11211	11111	11111		1111	- - - 1	1 2	1 2	2 - 4	- - - 1
Metropolitan Asylum Hospitals: Dartford w Winchmore Hill w Plaistow w	-		1 -	1 -	-	- 1 -	-	ĩ		-	-	-	-	=		-	ī	- - -

WORRHOURS ESTABLISHMENT receive inmates from other Districts than the one in which they stand, and are indicated in the

we Table by w:

Marylebone infirmary in Kensington Town sub-district.

Central London Sick Asylon, in Tottennam Court-road sub-district.

Holborn infirmary in Upper Holloway sub-district.

"Horseney sub-district.

"Hoxton New Town sub-district.

"Mile End Old Town Fastern sub-dist.

"Private Lunatic Asylums in which panyers are received.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION; BIRTHS and DEATHS registered during the

LONDON -OUTER RING   370,024   950,037   894   403   94   124   - 9   1   4   4   2   4   10   22   37	LABLE	6.—LUNDUN.—U	J LIM	KING	Veek	endin	g Sa	turda	y, 19	th Ja	nua	y, 18	89.							
Dath   Dath			Area		1					The D	EATH	regist	ered is	the	Week	inel	ude			
LONDON - OUTER RING   370.024   950.037   894   403   94   124   - 0   1   4   4   2   4   10   23   37				Enume-			Deat	hs of				Death	s from				_			89
LONDON - OUTER RING   370,924   950,907   594   403   94   124   - 9   1   4   4   2   4   10   22   07	and Sub- district Num-		inclu- ding Tidal Water and Fore-	rated Popu- lation,	BIRTHS.	DEATUS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Fover.	Diarrhose,		Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertitled Causes
Soli	100	TOOK OUTER PING	370 924	950 957	894	403		124	_	9	1	4	4	2	4		10	22	37	5
20   Expendition   w   -   12288   20115   14   5   1   2   -   -   -	INJ	OUN -OUTER KING	010,029	350,857	001	400	-													
37:1   Golstone (part of) *   2764   1935   -				)					ı	-	-	-	1	-		-1	-	-	-	-
S8:1   Croydon   We H L   2085  101941   84   42   8   13   1   3   8   101941   11992   5   8   2     1   1   1   1   1   1   1   1						-	-		-	-	-	-		-	-		-	-	. <b>-</b> ,	-
2 Milcham w 7 - 11007 17332 5 3 2	38:1		20851	101241	84	1	_		-		-	-	-	-			1		8 -	1
Kingston   WHI	1						_		-		-	1	}	-	1	-	-	-	_	-
## Hampton ## - 4573   13859   0	2		8549	36354	29	20		6	-	2	-	-	-	1 -	1		1	-	-	-
Color		1				4	1	4	-	-	-	-	-	-	-				žia.	3
2   Mortiske   2011   1.80   3   1.42   22   12   3   3   5   7   7   1.54		Richmond WH		1				1	-	-	-	_	-	-			1 -	2 -	-	-
2 Chishirst(pt.of)* WHH 14307 15844 11 12 1 5 1 1 1 2 Dartford (Wo, pts. of)*  2 Dartford (Wo, pts. of)*	1						1		-	-	-	-	1	-	-	.	2	2	-	-
42:1   Sexley   H -   13487   241144   20   13   3   6   7   7   7   7   7   7   7   7   7								5	-	-	-	-	-	-		-1		1		
124:1   Sanbury   w			13437	24134		1	8 ~	}	-	-	-	-	-	-			-	-	-	-2
2 Staines W   18217   12089   6   5   1   3     -   -   -   -   -   -   -			11055	11685	8	2	_		-	-	-	-	-	-			-	1		7.2
2 Uxbridge 6178 5225 3 1 1 - 1 2 3 Hayes wHL - 14837 11833 5 7 9 3 3 1 1 1 2 106:1 Ialeworth WHH - 7008 23727 19 0 8 3 1 - 1 2 2 Twickenham H - 2477 12479 8 10 - 6 1 1 2 3 Brentford HL - 4345 27549 18 9 3 5 1 - 1 1 4 Chiswick 1340 15075 10 6 8 2 2 5 Acton wH 0085 22376 25 11 8 4 1 1 1 1 2 Edgware H - 0085 22376 25 11 8 4 1 1 1 1 1 1 1 2 Edgware H - 0096 3749 1	1	Staines W	1	1	1		1				-	-	1	-			-	_	4	1
3   Hayes wHL			4	1		1	-		-	-	-	-	-	-		-	-	7	- 2	1 3
2 Twickenham H - 2477 12479 8 10 - 6 1 - 1		Hayes wHL	1	1		11						_		-			-			-
3   Brentford   HL		TRIGMOLOTT 11 37.17	1	1		11				-	-	1	-	-		-	-			
5 Acton wH 6085 22376 25 11 8 4 1  127:1 Harrow H 13809 12796 10 4 1 2 1  2 Edgware H 6094 3749 1 1		Brentford HL	1			[]			-	-	-	_	-	_		-	-	_	-	7
127:1		The second secon				11		1	-	-	-	- ,	-	1		-	-	-	-	13
3 Willesden 4383 27453 35 18 8 5 - 2			1			il.	1	2	-	1 -			_				-	-	-	1
Hendon   W			1			11		5	-	2		-	-			-	-	_	-	-
2 Watford (W, pt. of)*	1		- [	1	1	H	1	-					_			-	_	-	-	-
128:1   South Mimms			9531		1	11	-		-	-		-	-	-		-	-	-	J	
Barnet		Double Date	1			17	1	1	1 .	-			-			-	-	-		-
135:1   Hatfield (part of) * -   3306   583   -   1   -   1   -   1   -   -   1   -     1   -   1   -       1   -       1   -     1   -       1   -       1   -		Darne				13	1	6		-			-	-		-	-	-	7	1
189:1   Hornsey H -	135:				-	11	-		-	-						-			-	
8 Edmonton Wer ‡ - 7488 23483 19 12 3 5					1 .	11	10	5	-							_	1	5	1 ^	-
5 Waltham Abbey - 11017 5348 8 8 3 1 1 1		Edmonton Ww !	7488	23463	19	12	8	-1	_	-						-	-	-	2	10.00
186:1   Stratford   832   38606   38   17   5   1   -   1   -   -   1   -   -   1   1						11	1	1	-			-	-   -		-	-	-	-	-	1
186:1   Stratford						11		1		-1	- 1						-	1	-	
3 Leyton WieL - 4 Walthamstow H - 6520 28869 36 6 2 2 2 1 1 - 1 2 Epping (W, pt. of) * H 11761 9689 8 5 1 1 1 1 1 - 1	_		- 7351	101053	144	- 11	5	6	-			}	-   -		-	-		1 .	-	1
187:1 Chigwell (part of) * H 11761 9689 8 5 1 1 1 1 1 1 1 2 Epping (W, pt. of) * 1 1 - 1 1 1 1 1 1 1						11		1	_		-	_	- :		-	-	-	-	-	
2 Epping (W, pt. ot) 1 - 1 1 - 1 1 1	187 :	1 Chigwell (part of) *		9689		ě	1	. 1		- 1	-	-	-	-	-	-	1	1	1	
3 Hord 8498 7645 6 2 - 2					-												-	-		
3 Barking Town 4127 9203 11   2   1   -   -   -   -   -   -   -   -	189:	3 Ilford	- 849	3 764	5 6		٠   ١	-   :		-	-	-	-	-	-	-	-	-		
		3 Barking Town -	- 412	7 920	3   11	:	: 1 :		. 1 .	- 1	- 1	- 1	- 1	-	- 1		1 -	-	1	

<sup>•</sup> The parts of sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 59:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromiey sub-district, except the parish of Cadham as Knockholt (pop. 1818); 41:2, Chislehurat sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hattle sub-district; except the parish of Theydon Bois (Do. 57:1, 189:1). The parish of Dagonam in Romford sub-district 42:2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts, deaths in Workhouses, belonging to Metropolitan Police District.
† Exclusive of deaths of London residents in the Holborn Union Workhouse and in Martopolitan Asylum, Hospital, Winsh upper Hill (see Table 5).
§ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 19th January, 1889.

V.		Area			L RATE			The DE	ATHS	regi	tered	in t	he W	eek i	nelud	.е	
0	REATER	in Acres, including	Estimated Population,		TALITY 0 living.	DEATHS from	Deat	hs of			I	eath	s from	n			ublic ns.
1	LONDON.	tidal water and foreshore.	middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.	Deaths in Pu Institution
	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
EA'	TER LONDON	448,331	5.642.015	20.1	2.4	2172	467	632	-	130	20	42	40	9	15	73	423
	rer Ring -	77,410 370,924	<b>4,351.738 1,290.277</b>	21·2 16·3	2·8 1·0	1769 403	373 94	508 124	-	121 9	19	38	36 4	7 2	11 4	63 10	386 37

Note.—The area of Greater London is 448.334 acres; of which 4.892 acres are tidal water and foreshore. This area is equal 1700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,249,573 Persons.

	POPULATION	D		1.	ANNUAL	Di	3ATH8		PRIN DISEAS	ES.	ZYMO	
CITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS.	DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
ALCUTTA	433,219	November 24		_	-	-	_	-		_	-	_
OMBAY	773,196	December 25	327	399	23.0	1	6	9	?	. 5	138	36†
ADRAS	398,777		339	324	42.2	-	-	5	5	5	58	591
ARIS	2,260.945	January 12	1240	1114	25.6	2	53	3	41*	6	19	46
th 8 Faubourgs.)	462,069	» 12	255	242	27.2	-	11	-		. 1	4	12
MSTERDAM	390,016	. 12	309	201	26.1	1	19	1	9	2	1	
COTTERDAM	197,723	12	156	99	26.0	-	-	1	_	2		_
HE HAGUE -	149,477	. 12	. 107	81	28°1	-	1	-			-	-
OPENHAGEN -	300,000	,, 5	209	113	19.7	_		1	4		-	6
TOCKHOLM -	221,549	s 5	146	88	20.6	·_		2	2*	_	2	6
HRISTIANIA -	135,600	,, 12	91	52	19/9		-	3	12	1	-	2
T. PETERSBURG	842,883	"	-	501	31.0		-	. 14	. 6	8	8	74
BERLIN	1,438,006	December 29	908 "	567	20.6		16	_	28	8	6	30
LAMBURG(State)	550,694	January 5	873	254	24.1	-	-	1	21*	5	4	17
)RESDEN	259,142	» · 5	152	78	15.4	9		7	7*	2	-	3
BERSLAU	<b>3</b> 13,45 <b>1</b>	" 12	198	195	32.9		1	2	12	2		8
MUNICH	275,000	n 5	204	165	80*5		8	3	8*	1	-	. 9
VIENNA	800,836	,, 5	506	427.	27.3	-	1	4	8	2	4	23
PRAGUE	295,857	,, 5	-	209	36.9	24	-,	4	14	- 1	3	6
BUDA-PESTH -	442,787	» 5	282	259	29.7	-	3	2	6	2	-13	23
TRIESTE	156,042	· <sub>39</sub> · 5		89	29.3	. 4	-		-	010	-	1
ROMB	388,300	December 1	226	210	28 2	-	7	1	3	-	15‡	8
fuers (10 days)	294,826	,, 10	241 -	191	23.7	-	1	_	. 5	-	. 2	- 23
VENICE	. 150.502	. 29	71	76	26.4	-	-		1	-	-	3
CATRO	374,338	" 27	434	294	40.9	_	-	-	2*	3	14	100
ALEXANDRIA -	- 231,396	" 27	- 231	190	42.8	-	1	-	4*	1	6	52
NEW YORK -	1,493,000	. 29	-	772	27.0	-	21	51	40	19	4	17
PROORLYB .	774,870	,, 29	-	341	22.1	-	6	12	23	7	4	3
PHILADBLPHIA -	1,016,758	,, 29	-	349	17.9	-	-	8	7	2	10	1
RALTIMORE .	431,879	. 29	-	163	19.7	-	= -		3	"	4	-

<sup>\*</sup> Including deaths from croup.
† The deaths returned under "Diarrhoal Diseases" include 4 from Cholera in Bombay, and 6 in Madras.
‡ Including 7 deaths from Malarial Fever.

Table 9.—METEOROLOGICAL OBSERVATIONS taken at the Roxal Observatory, Greenwich, during the Week ending Saturday, 19th January, 1889.

Meteorological Observations.																						
	ž.	020		0.0	0.0	0.2	1.2	0.0	0.0	0.0	0.3	27	100	of the	ussion er, and eading	he air	graphic	below below	d, and m the	g; and	g to the	30.04 in.
Rain	Rain collected in a Gauge whose		5 inches above the Ground.	in. 0.00	00.0	00.0	00.0	10.0	00.0	10.0	Sum 0.03	98		e means	om a disc baromet I mean r	ure of t	e photog ntal mov	"higher	Deptfor	s. stron	applying	week to a
			Depar- ture from Average of 16 Years.	Miles. -106	-160	-247	-231	- 209	9 +	- 91	Sum -1038	25		san level	for the corrected	emperatu humidit s by Gla	ion of the	ndicates	arket at instruct ing Elec	oderute;	stood as	g of the his incre
		Robinson's.	Horizontal Movement to of the Air on each Day.	Miles.	162	11	95	119	336	240	Sum 1244	24		re the me rel. and 9h. F	tions ded ling 1873 Vith the O	ue of te	discussind that o	that + in d at a de	Cattle M. under	c; m. mo	kes sum o under	beginnin n the 16t
ometers.		9	Mean Morrly of the obs.	lbs. 17	0.0	0.0	0.0	0.0	7.0	0.1	:	23		set aboveset aboves sea lever.	correcters engineers. Veers.	ully valued d	from a 1868, and s for the	pund	Market,	W. Weal	rentand	A.M. Ol
Anem		Pressure on the Square Foot.	Least. h	lbs. 1	0.0	0.0	0.0	0.0	0.0	0.0	:	2.3	0.6	159 fe uce to n; 3h	tion of inty ye	an da ature	rived inding	rne in are su	the F	ive; v	ch day	oy 9h.
ed from	,	Pressur	Great-	lbs. 10	0.1	0.0	0.5	0.0	2.1	1.0	:	12		to red	pplication the tweether the there	he me	hat de	be be	erk of	negat	on ea bserva	rom 28 78 in. ]
Wind as deduced from Anemometers.	Osler's.	ection.	P.M. Gr		z NE.	SE.	SE. & S.	WSW.&;SW.	SW.	WNW.& WSW.	& SW,	20		The height of the cistern of the barometer is 139 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the Observations are usually taken at 9h. A.M.; help the more than the property of the dry help the property and the wet build thermometer, are	per-readings of the national east, are up an explication of corrections deduced from a discussion converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1878 for the hemenometers. With the corrected mean reading during the twenty years ending 1886 for the themsometers. With the corrected mean reading during the twenty reason ending the reason of the presence of the maximum.	of the dry but her mounteers, forming the mean daily value of temperature of the air and minimum thermometers, forming the mean daily dow point temperature and degree of humidity are deduced (column 8). The mean daily dow point temperature and degree of humidity are deduced from the mean daily values of the dry and wet build thermometers by Glaisher's Hygro-	metrical 1ables temperature of the air is that derived from a discussion of the photographic The average temperature of this expense setting 1898, and that of horizontal movement records made at Greenwise define 1875.	the shifted in the columns 9 and 5 it will be borne in mind that + indicates "higher," and in reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "horsen," than the average.  - "horsen," than the average.  - "horsen in the water of the Thames are suspended at a depth of two feet below	d by the jetties of the Foreign Cattle Market at Deptford, a by the Clerk of the Market, under instructions from	The record of Electricity is derived from thomson's solit-gascening accounted are: -P. positive; N. negative; W. weak; im, moderate; s. strong; and symbols employed are: -P. positive; N. negative; W. rariable.	The numbers in column 39, derived from the Campuel-Stokes Substitute instrument, snow the aggregate duration of bright smishine on each day.  The results of all the meteorological observations are to be understood as applying to the results of all the mistorilogical observations are to be understood as applying to the	by the way, in the Latter decreased from 29°55 in, at the beginning of the week to 30°04 in, the reading of the barrometer increased to 9°75 in, at the latter increased to 30°25 in, by 40°1, 20°1 on the Latter increased to 9°75 in, by 40°1, 20°1 on the Latter increased to 30°25 in, by 40°1 on the Parts and decreased to 30°13 in, by the end of the week.
		General Direction.				Jalm			SW.	NW.	SE.	-		stern olied to	aily va	ometer ometer on daily values	ature o	mins 9 a	of one	e: - P.	n of br	aromet h; dec
			A.M.	ENZ	N. & NNE.	NNE.& Calm	SSE.	SSW. & SW.	SW. & SSW.	WSW. & NW.	NNE.	19		been apply are usu	mean daphic recan	therm The mes	temperate Green	the air from a discussion of in reading the columns 9 a "lovery" than the average.	the surface, at the end of one of their readings are registered Corporation of London.	of Elec loyed ar	rs in cold duration of all t	of the but the but the later the later
23		Of the Water of the Thames at Deptford.	Low-	0 86.98	37.7	38.5	37.8	37.7	2.98	38.5	37.6	185		eight con has vations	angs of	ny bull pinnun 1 8). J	metrical Tables. The average to records made at	ading er," th	face, at	record s empl	rekate results	reading P.M. OI
ATURI	0.00		High.	0 80.0	40.0	40.5	40.0	0.07	₹0.4	7.17	40.3	12		The h prrectic	ve-read onvert t the p uring	r the d nd mi column	The secords	I the a In re low	he sur heir r Jorpor	The symbol	The aga	The The by 9h.
TEMPERATURE.	DMI DM	Of Radiation,	Lowest on the Grass.	0	7.75	- 77 - 77 - 77	31.9	30.2	1.67	27.5	31.0	16		3	ಕ್ಷ ೨೦೦	0 8 0 1	д . ь с	, .				
			High- est in Sun's Rays.	0 06	43.9	89.5	8.98	50.5	7.89	6.19	48.3	1 1						ure.	evening;		shower	
Tonara	,	of Hu-	ration equals 100).	60	76 88	8 28	100	0 00	8 8	462	87	1	14	KS.	aing.	evening.		mperat	st till		slight small	
in Lada	ween	Temperature.	Least.	0	0.7	2 .	9 %	0.0	0.0	2.0	1.5	G.F.	FO	EMAB	in morning.	n in ev		ge of te	overcast		s, with	
Clea Ma	Tempe		Great-		20 1.	1 0.7	4 4	9 00	3.6	11.1	5.8	9	12	GENERAL REMARKS	Slight showers in	little fine rain in	Overcast.	Oyereast. Very small range of temperature. Showery in forenon; overeast till eventuary in forenon.	noon;	sloudy.	morning ut day	· · · · · · · · · · · · · · · · · · ·
Under the Sup	Differ the Air		Mean daily value.	0	27 0	1 0	7 0.00		F 0:		3.4	1		ENE	light sl	A litile			in fore		early rough	
		Of the Dew Point.	Mean daily value.	0	.∓.o	0 # 0	0 10	7 0.20	8.08		34.3	1	OT	9	Overcast. S	Overcast. A			wery i	Generally cloudy.	Overeast in early morning, with slight showers of rain; fine throughout day, with small amounts of	genera
	E.	Of the Air.	De- parture from	o years.	1.8	9.0	(F) 12	1	0 7 4	+	8.0 -		5.	2	Over	Over	Ove	Ove	Sho	Gen	Ove	
	RATUI		Mean daily value.		36.4	37.7	0.00	000	010		37.8	1	00	In above Iorizon	6.00	8.5	°°	& & &	90	- 00 - 4	, 00 44	Sum 58.1
	TEMPERATURE		Daily Range.			5.6	CD C		7 0.0		0.4	1	1	Registered Sun above Sunshine, Horizon, in hours.	0.0	0.0	0.0	0.0	0.0	7.0	1.1	Sum 1.5
			Low- est.	0						87.3	34.0		9	Regis Suns in ho	-	•		,				1
			High-	0						46.5	41.0		10	rr. on of ote.)				under		N		
	BARO-	Mean	(cor- rected and re- duced to 32°	heit).	29.835	30.035		29.817	30.165	30.206	30.083		4	ELECTRICITY. (For explanation of symbols, see Note.)				Instrument adjustment.				
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# WEEKLY RETURN

#### DEATHS BIRTHS AND IN LONDON

AND IN

#### TWENTY-SEVEN OTHER GREAT TOWNS.

## By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 4. 1889. Vol. L.]

WEEK ENDING SATURDAY, JANUARY 26.

Price 11d.

General Register Office, Somerset House, 28th January, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20.6 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending		11.1	Α.		Weeks	ending	3
Towns.	Jan. 5.	Jan. 12.	Jan. 19.	Jan. 26.	Towns.		Jan. 5.	Jan. 12.	Jan. 19.	Jan. 26.
Birkenhead	13.7	26.0	18.3	19.3	Liverpool -	-	29.6	28.9	27.5	24.9
Birmingham	22.1	28.3	21.9	24.9	London -	-	21.4	24.9	21.2	19.4
Blackburn -	39.2	44.8	34.9	27.1	Manchester .	-	28.0	34.6	26.9	26.9
Bolton -	25.9	24.1	20.5	19.6	Newcastle-on-Tyn	ie*	20.1	23.7	20.4	21.7
Bradford* -	22.0	20.0	16.6	15.8	Norwich -	-	23.2	24.8	20.4	15.5
Brighton -	12.9	16.7	16.3	17 · 1	Nottingham	-		18.2	المكانيات	
Bristol -	21.4	25.5	22.5	18.2	Oldham -	-		26.7		
Cardiff* -	32.9	31.9	33.8	24.5	Plymouth -	-		21.3		
Derby -	21.7	21.7	15.9	12.2	Portsmouth	-	23.3	21.1	20.7	15.9
Halifax -	20.6	25.1	26.4	23.8	Preston -			30°5		
Huddersfield	22.5	24.2	23.6	20.2	Salford* -	•	23.8	26.7	19.6	23.8
Hull	19.1	18.8	11.5	14.5	Sheffield -	-	20.3	26.0	22.0	25.5
Leeds -	25.7	24.2	26.0	18.1	Sunderland	-	23.3	22.6	21.0	20.2
Leicester* -	23.2	23.9	15.6	19.8	Wolverhampton	-	19.0	28.4	22.1	17.1

The highest annual death-rates, measured by last week's mortality, were: from measles, 2.1 in Leicester, 2.2 in Sheffield and in Blackburn, 2.4 in Liverpool, 2.9 in Salford, 3.1 in Birkenhead, 3.2 in Bristol, and 3.3 in Oldham; from whooping-cough, 1.3 in Blackburn, 1.6 in Birmingham, and 3.0 in Preston; from scarlet fever, 2.2 in Blackburn; and from "fever," 1.1 in Derby. The 52 deaths from diphtheria in these towns included 33 in London, 7 in Manchester, 5 in Salford, and 2 in Leicester. Small-pox caused one death in Bradford, but not one in London or in any of the twenty-six other great towns.

#### LONDON.

In London 2599 births and 1620 deaths were registered. Allowing for increase of population, the births were 295, and the deaths 368, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21.4, 24.9, and 21.2 in the three preceding weeks, further declined last week to 19.4. During the first four weeks of the current quarter the death-rate averaged 21.7 per 1000, and was 1.9 below

the mean rate in the corresponding periods of the ten years 1879-88.

The 1620 deaths included 83 from measles, 20 from scarlet fever, 33 from diphtheria, 24 from whooping-cough, 10 from enteric fever, 1 from an undefined form of continued fever, 24 from diarrhoea and dysentery, and not one from small-

<sup>•</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

<sup>▲ 57026.-4. 610.-1/89.</sup> Wt. 14.

pox, typhus, or cholera; thus, 195 deaths were referred to these diseases, being

49 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 16. Only one small-pox patient was under treatment at the end of the week in the Metropolitan Asylum Hospitals, and one in the Highgate Small pox Hospital. The fatal cases of measles, which had been 176 and 121 in the two previous weeks, further declined last week to 83, but exceeded the corrected average by 48; 5 belonged to Islington, 4 to St. Giles', 3 to St. Luke's, 3 to St. George Southwark, 3 to Bermondsey, 8 to Lambeth, 9 to Battersea, 16 to Camberwell, and 5 to Plumstead sanitary areas. The 20 deaths from scarlet fever showed a further increase of one upon the low numbers in recent weeks, but were 16 below the corrected average; 4 belonged to Hackney, 2 (at 54, Gloucester Road) to Islington, 2 to Bermondsey, 3 to Lambeth, and 3 to Greenwich sanitary areas. At the end of the week the Metropolitan Asylum and the London Fever Hospitals contained 672 searlet fever patients, against numbers declining in the ten preceding weeks from 980 to 687; 61 cases were admitted during the week, against 41 and 51 in the two previous weeks. The fatal cases of diphtheria, which had been 21 and 38 in the two preceding weeks, declined again last week to 33, but exceeded the corrected average by 16; 3 belonged to Paddington, 3 to Kensington, 2 to St. George, Hanover Square, 2 to Islington, 2 to Hackney, 2 to St. Giles, 2 to Clerkenwell, 3 to Poplar, 2 to Newington, 2 to Lambeth, and 2 to Greenwich sanitary areas. The 24 deaths from whooping-cough showed a further decline of 12 from the numbers in recent weeks, and were 82 below the corrected average; 6 belonged to Camberwell and 6 to Greenwich sanitary areas. The 24 deaths attributed to diarrhaa and dysentery exceeded the number in the previous week by 13, and were 10 above the corrected average.

The deaths referred to enteric fever, which had been 14, 10, and 7 in the three preceding weeks, rose again last week to 10, but were 5 below the corrected average; 2 belonged to Shoreditch sanitary area. The death of a male aged 59 years in Islington was indefinitely referred to "continued fever, undefined." The Metropolitan Asylum Hospitals contained 65 cases of enteric fever, and one of typhus on Saturday last; 5 cases of enteric fever were admitted during the week, against

4 and 8 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 652 and 492 in the two preceding weeks, further declined last week to 456, and were

125 below the corrected average.

Different forms of violence caused 50 deaths; 44 were the result of negligence or accident, among which were 18 from fractures and contusions, 11 from burns and scalds, 4 from drowning, and 8 of infants under one year of age from suffocation. The 18 deaths from fractures and contusions were thus caused:-3 (1 intoxicated) by accidents from vehicles in street; 2 by accidents on railway; 1 by accident from machinery; 1 crushed by lift; 4 by fall down stairs; 1 by fall down shaft of lift; 1 by fall from horizontal bar; 1 by fall from swing; 2 by fall on pavement; 1 by fall, the nature of which was not stated; and 1 by fracture, the cause of which was not stated. An inquest was held in each of these 18 cases. Three cases of suicide were registered, the corrected average being 4.

The death of a marine storedealer, whose age was stated to be 103 years, was registered in the City; and that of a domestic servant in the Mile End Old Town

Workhouse Infirmary, whose age was stated to be 105 years.

GREATER LONDON.

In Greater London 3387 births and 2038 deaths were registered, corresponding to annual rates of 31.3 and 18.8 per 1000 of the estimated population. In the Outer Ring 13 deaths from measles, 9 from diarrhea, and 4 from whooping-cough were registered. The fatal cases of measles included 6 in West Ham and 2 in Croydon sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30·21 ins.; the lowest reading was 30·01 ins. on Sunday at noon, and the highest 30·32 ins. on Wednesday morning. The mean temperature of the air was 38°·5, and 1°·1 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on each of the first five days of the week, but showed an excess on Friday and Saturday. The direction of the wind was variable, and the horizontal movement of the air averaged 8·5 miles per hour, which was 5·4 miles below the average in the corresponding weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0·15 of weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0.15 of an inch. The duration of registered bright sunshine in the week was 5.3 hours, against 7.5 hours at Glynde Place, Lewes.

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		CITIES	AND BOROUGHS.		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	WOLVERHAMPTON.	BIRWINGHAM	LEICESTER.	NOTTINGHAM.	DERBY.	SIRKENHEAD.	BOLTON.		SALFORD.	OLDHAM.	BLACKBURK.	PRESTON.	HALIFAX.	READFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIER.	EDINBURGE.	GLASGOW.	
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150	3 111 10	trom	-gaiqoo	M.po	10.	66	24	1 1	63	1 0	o ⊢	-	1 1	4	1	67	00 г	-	100	a -	1 00	9	1	ı	20 0	ه د	d 0.	1 63	0.21	67	-	17	41
ORO	egister	Deaths from	.siredta	Diph	6	52	80	1 =	- 1	1	L		1 6	1	- 1	1		1	L= I	a	1	1	H	ı	1	í	1 =	- 1	-	1	4	-	1
METE	The DEATHS registered in the		let ver.	Fear Fe	00	20	20	1 1	1	ı	1 4		1 12	1	1	1	9	ı	4 0	00	1 73	1	1	-		21 0			1	i	1	. 41	00
and	he DE		.89[8	Meas	7.	217	83	41	- I	1	14		ده در 	-	۱ ا	9	28	41	10	120	2 70	1	e <sub>3</sub>	1	Н	27	4.		1	-	17	14	-
ATHS,	-		.xoq-[	lam?	9	Н	١	ı	1 1	ı	1 1		1		1 1	1	1	1	1	1	1 1	1	1	1	-	1	1	1	1 1	1	-	1	1
s, DE		eaths of	ns aged Years Pwards.	Perso 60 7 7 nd un	50	948	469	15	14	141	G 7	=	40	06	27	11	50	<u>r</u>	39	17	72 0	7 6	00	0	14	22	77	4 C	27	10	9.4	4 54	42
Зівтн		Deat	annder lo 1se		4.	807	325	90	11 %	000	16	20	45	77 6	# 05 # 05	4	52	16	31	82	16	9 =	10	=	. 13	27	တ္တို့	202	1 2	12 2	91	47	30
1	during	noor	, 400%.	DEATHS.	80	3775	1620	40	643	35	80	7	217	1.0	23	88	589	43	195	107	0,0	56	36	37	11	124	160	200	20	23	0.04	255	186
TABLE 1BIR	Registered during	the Week ending	26th Jan., 1809.	BIRTES. L	3;	5714	9599	, SS	66	212	122	20	243	007	118	219	323	22	252	117	75	69	38	53	123	220	219	126	112	82	145	383	202
	*	Z	to the middle of the Year		. I	0.555.406.5	_		141,253	94,510	229,361	82,544	454,835	150,520	237,812	102,541	606,562	114,670	378.800	234 283	142,405	104.194	92,825	81,080	285,056	857,449	827,227	208,017	160 953	112,712	000 000	528,144	353,082
	_	14			Cols.	-		• •	٠	4 •	•	LON	•		•		•	•			•		- 0	٠		•	٠	•			F		•
		1	CITIES AND BOROUGHS.		00	- Can-	28 TOWNS	LONDON .	PORTSMOUTH	NORWICH .	PLYMOUTH .	WOLVEBHAMPTON	BIRMINGHAM	LEICESTER *	NOTTINGHAM	DIRECT	LIVERPOOL .	NOLTON	MANCHESTER	SALFORD* .		BLACKBURN -	HUDDERSFIELD	HALIFAX .	BRADFORD*	LEEDS	-	HOLL .	NEWCASTITE.	(ARDIEF.	The state of the s	GLASGOW .	URLIN

TABLE 2. LONDON .- Births and Deaths Registered in the FOURTH Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males  Females .	2641	2436	2864	2665	2670	2410	2727	2836	2579	2715	2894·4	2599
	1309	1275	1430	1341	1352	1224	1391	1419	1274	1382	1460·9	1285
	1332	1161	1434	1324	1318	1186	1336	1417	1305	1333	1433·5	1314
Total Deaths  Males Females .	1812	2200	2114	1971	1548	1531	1885	1769	1585	1816	1988·0	1620
	894	1084	1043	956	807	779	939	860	813	878	987·2	848
	918	1116	1071	1015	741	752	946	909	772	938	1000·8	772

<sup>\*</sup>The numbers in this column are the average weekly numbers in the fourth weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. HOMBOIL													
	Nov.	Nov. 10,	Nov. 17.	Nov. 24.	Dec.	Dec. 8.	Dec. 15.	Dec. 22.	Dec. 29.	Jan. 5.	Jan. 12.	Jan. 19.	Jan. 26.
TOTAL Births	2373	2770	2606	2722	2367	2644	2291	2655	1876	2855	2668	2837	2599
Total Deaths	1613	1520	1619	1409	1352	1461	1455	1802	1641	1784	2075	1769	1620
Ages at 0-20 years - 20-40 , - 40-60 , - 60-80 , - at 80 years & upwds.	770 189 275 310 69	769 186 227 288 50	825 179 284 260 71	724 167 212 257 49	701 164 217 223 47	765 177 243 228 48	720 178 247 251 59	888 197 286 356 75	779 173 277 335 77	825 204 308 366 81	850 218 393 506 118	776 197 288 428 80	709 162 280 394 75
Under 1 year - 1-5 - 5-20	383 297 90	400 281 88	377 332 116	342 292 90	327 288 86	375 296 94	307 814 99	390 375 123	345 341 93	372 338 115	373 370 107	373 315 88	325 281 103
Deaths from Small-pox , , , Measles	88	109	124	133	141	139	154	184	147	143	176	121	83
", ", Scarlet fever ", ", Diphtheria ", ", Whooping-cough ", ", Typhus	24 32 19	18 34 15	31 44 17	20 41 19	24 34 20	30 35 13	17 39 14	25 39 25	20 34 28	12 33 32	17 21 37	19 38 36	20 33 24
, , Enteric fever - , SimpleContd fever	22	14	15	15	11	12	18	12	8 -	14	10	7	10
Dysentery - S	34	18	16	18	13	19	11	16	14	11	12	11	24
,, ,, all the above- mentioned Diseases	220	208	247	248	245	249	253	301	251	246	275	232	195
,, ,, Dis. of Respira-	441	373	374	287	258	277	330	440	412	484	652	492	456
,, ,, Phthisis - ,, , Dis, of Circula- tory System	149	126	152	132	136 96	144	160	153	152 130	154	187	136 155	152
Violent Deaths Inquest Cases Deaths in Public Institutions	59 117 369	50 110 346	60 117 371	48 105 311	54 103 311	62 120 302	40 86 353	81 154 395	52 107 335	61 132 360	58 143 398	63 121 386	50 102 401
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	50·3 54·7 46·7	42·1 47·0 37·7	50·5 55·4 45·2	6 49.0 53.4 44.9	45·7 49·6 41·6	49·1 54·0 43·6		40·4 44·4 36·0	42.5 47.3 36.6	31.8 36.1 27.1	35·3 39·7 30·9	37·8 41·0 34·0	38·5 43·3 33·6
Humidity of the Air	92	86	89	81	89	87	93	94	90	93	98	87	93
Rain-fall in inches Registered Sunshine (in hours)	3.8	0.20	1	6.2	6.0	0.17		0.13	0.66 4.6	3.2	0.49	0.02	0.15
		1	1	1		1	-	1	1	-			

## METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., F.R.Met.Soc., Brighton. John Merrifield, Esq., J.L.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; L. Smpson. Esq., Wrottesley, Wolverhampton. Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingnam: J. Hartnup, Eso., F.R.A.S., Liverpool H.O. Pilkington, Esq., M.R.C.S., Preston; J. Aric landsborough, Esq., F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak. Hull; A. E. Harris Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

Table 4. LONDON.—Deaths Registered at several groups of Ages from different Causes in the Fourth Week of the Year 1889.

		72.			T.	JUK	тн	44.6	ZUK	01	f the Year 1889.									
	for the		Satur			ek ei Jan				11		for the		Satu	In th	e W	ea's e	ndin	g 1883	
	rages for the 10 ye		D		s of i	Perso	ons o	f			1	es for *	-		eath		Perso	ns of		
CAUSES OF DEATH.	200		1	Unde	r	40.	.09	80.	and		CAUSES OF DEATH.	Averages iks of the 10 1879-88.*	-	1	Unde		40.	60,	€	7
MUSES OF DEATH.	ed A eeks 187	AGES.	-	20.	-	under	under	under	Calls a				AGES.	-	20.	_	under	under	under	de.
	Corrected 4th Week	ALL A	0-1.	1-0.	6-20.	and	and	and	7			Corrected 4th Wee		4	5.	.20.	and t	alled u	in and u	1 Outo
	3	3	1 5	1-1	0	3	1 2	1 3	18	II		3	ALL	11.	1-5.	1 %	<u>2</u>	3	=	3
ALL CAUSES	1988.0	1620	325	281	103	162	280	394	75		Diseases of Organs of Special Sense † }	1.2	1	1	-	-	-	-	-	-
Small- Vaccinated; -	}16.4	-	-	-	-	-	-	-	-	$\ $	Diseases of Circulatory \	145.1	111	2		7	01	07	-	
No Statement	) (	-	-	-	-	-	. ·	, -	1	-	System}	140 1	111	ا_ا	_	-	21	37	69	5
Measles	34.6	83 20	9	66	8	-	-	-	-	II	Croup	16.0	13	1	10	2	-	-	_	_
Searlet Fever Typhus	36.4	20	1	11	8	-	-		-	II	Bronchitis	383 · 4 117 · 2	284 92	16	40 31	17	7	46 12	108	25
Relapsing Fever †	0.0	-	-	-	-	-	-	_	-	I	Pleurisy Other Diseases of Respi-	6.5 22.0	9 58	1:	12	1 2	1	3	4	-
Influenza	0.3	1	1	-	-	-	-	-			ratory System }	33 0	00	5	1.	-	5	14	17	3
Whooping-cough Diphtheria	106.4	24 33	16	20	1 12	-		~			Dentition †	17.0	14	7	7	_	-	-	-	-
Simple Continued and	2.2	1			_		1				Quinsy, Sore Throat † -	7.6	9	1 4	1	3	-	-	2	-
Ill-defined Fever - 5 Enteric Fever	15'3	10	_	2	1	- 1	1	1			Peritonitis Diseases of Liver	7.6 29.1	8 23	2	-	2 -	1 4	8	12	-
Cholera	0.0		-	-	-	- !	-	-	_		Other Diseases of Digestive System -	31.2	20	4	1	1	1	5	6	2
Diarrhœa, Dysentery =	14'4	24	11	7	-	-	8	1	2	-			-	-				-		-
Remittent Fevert Hydrophobia	0.3				-	-	-	-	-		Diseases of Lymphatic   System & of Ductless	2.0	-	_	_			_	_	
Glanders	0.0			-	-		_	-	-	ı	Glands †)									
Cowpox and Effects of	0.0	-	-	_	_	_		_			Diseases of Urinary }	00.1	20					10		
Vaccination †   Vonereal Affections -	12.1	8	6	1	-		-	1	_	ı	System}	38.1	39	-	-	3	7	18	15	
Erysipelas	7.3	2	1	- [	- 1	-	1	-	-	-	Discourse of Co.	-							_	-
Pyamia and Septicamia †	9.3	2	-	-	- }	-	-	-	-	L	Diseases of Generative	6.4	3	-	-	-	1	2	-	-
Puerperal Fever Other Zymotic Diseases †	2.0	_	-	_	_	2	-			-	Accidents of Childbirth -	2.1			-	-	2	-		-
Thrush	2.0	1	1			-	-	-	-	ı	Diseases of Locomotive	10.0	13	-	-	5	2	3	3	-
Worms and other Para-	0.7	-	-			-	-	-	-	-			-			-	-		-	
sitical Diseases}					_		_			ı	Diseases of Integumen-	7:1	4	1	1	-	-	1	1	-
Starvation, Want of	1.7	2	2	-						-										
Alcoholism	8.7	<b>.</b> 4	-	-	-	1	3	-	-	ı	VIOLENT DEATHS.§					İ				
Rheumatic Fever, 1	10.3	2									ACCIDENT.) Fracture and Contusion	19.4	18	_	1	5	2	4	5	,
Rheumatism of Heartf }	8.5	4		-	-	-	1	1			Gunshot Wound	0.0	-	-	-	-	-	-	-	-
Rheumatism †	4.0	6	-		-	-	1 2	2 4	1	1	Burn and Scald	11.1	11		5	5	1	i	-	-
Rickets †	4.0	.8	-	8	-	-	-	-	-		Drowning Suffocation	4.0 18.1	9	8	ī	-	1	2	1	-
Cancer	51.6	69	-	-	-	4	34	22	-		Otherwise	4.0	1	-	-	-	ī	7	-	-
Tubercular Maningitie	21.9	17	7 8	8	2	-	-	-	-	-										
Tubercular Meningitis - Phthisis	189.6	152	3	8	16	61	51	1 16	-		(HOMICIDE.) Murder & Manslaughter	1.6	3	1			2		-	
Serofula, Tuberculosis -	14.0	17	4	9	3	-	1	-	-	-	The residence of the re					_	_	_	-	_
Other Constitutional Diseases † }	13'5	9	1	-	-	-	3	5	-		(SUICIDE.)					-				
Promotose Pints	39.8	45	42					-			Gunshot Wound Cut, Stab	0.8	1	-	-	-	1	-	-	-
Premature Birth Ateleotasis †	2.3	42	2	-					-		Poison Drowning	0.9	1 -	-	-	-	-	-	1	-
Congenital Malforma-)	7.2	6	6	-	-	- 1	-	-	-	1	Hanging Otherwise	0.1		-	-	-	-	-	-	-
tions Old Age	73*1	49	-	-	-	-	-	23	27	-					-	-		-	-	-
Annalassa	12.0						-1	-	-		(Execution.)									
Apoplexy	51.3	40 8	1	-		5	10	28			Hanging	0.0	-	-	-	-	-	-	-	
Convulsions	54.9	51	44	7	- 1	-	-	-	-						-					
Other Diseases of Brain }	99.6	83	9	13	5	7	11	34	7		OTHER CAUSES †	67.1	49	8)	4	1	-	2	2	1
							1	1	-	7						-		-		-

the numbers in this column are the average weekly Deaths for the ten years 1879-88, ransed by 9'048 per cent, for increase of population, is the ten years average could not be correctly ascertained, the average for the seven years 1882-8 has been used.

1. The seven years average could not be correctly ascertained, the average for the seven years 1882-8 has been used.

1. The seven years average could not be correctly ascertained, the average for the seven years 1882-8 has been used.

1. The seven years average of the properties of the seven years average to the seven years average the seven years average to the properties of the seven years average to the seven years average to the seven years average to the seven years average to the seven years average years average to the years average years average to the years average years

TABLE 5. LONDON. -POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SWALL-POX, MEASLES, SCARLIT during the Week ending

	64.4	40			_	_	_				_	-			· · ·	_	_	
							The	DEA	THS 1	regist	ered i	in the	Wee	kine	lude			
	Enume-			Deat	hs of					Deat	hs fro	m					0	80
REGISTRATION	rated	80	° BE	m H 2	eds.					ugn		BVer	er.			98.	Public	)aus
SUB-DISTRICTS.	Fopu- lation,	BIRTHS	DEATER	of Age.	aged a upw	)X.		Fever,	ria.	1K-0		(Or d) F	Fev.	ea.		Cas	1n utio	ued (
	1881.			ar of	ons are	Small-pox.	Measies.		Diphtheria	Whooping-cong	Typhus	Enteric (or Typhoid) Feve	Simple con- tinued Fever	Diarrhosa	Violenee.	Inquest Cases.	Deaths in Pu	Uncertified Causes of Death.
		Total	Total	Infants Year	Persons Years	Sms	Mea	Searlet	Dip	Wh	Tyl	Ent	Sim	Die	Vic	Ind	De	Co
Market and Administration of the Control of the Con	0.01 = 50.4		7,000	207	-	-	83	20	33	24	_	10	1	24	50	102	401	15
LONDON	3,815,704	2599	1620	325	469		5	1	11	4	_	2	-	5	10	17	81	-
West Districts	965,947	399 €06	283 347	51 71	99		8	6	5	1	-	3	1	6 2	6 9	19	73	H
CENTRAL DISTRICTS	282,238	149	134	20	29		8	3	3	3		3		4	13	33	111	1
EAST DISTRICTS -	692,738	532 913	313 543	65	90	-	50	10	9	16	-	2	-	7	12	20	92	13
SOUTH DISTRICTS  METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
LONDON ) WEST DISTRICTS.	-													1	9	0	6	
THE THE PARTY OF T	69888 37330	53 11	28 24	8 4	11 8	-	1 -	-	1	1 -	-	-	-	-	2 2	3	10	-
Kensington Town Ww W.M.	120141 43010	77	47 13	8	24	-	-	-	3 -	=	=	1 -	-	-	-	1	14	-
Brompton H - W.M.	7599	8 46	1 31	5	11	-	-	=	1	-	-	-	-	1	1	4	6	H
St. Paul Hammersmith H W.M. & G.J. Fulham Www - W.M. & C.		65	29	6	11	-	-	-	3	2	-	-	-		1	1	10	-
Chelsea North-west WHIIIIHH. C. C. Chelsea North-east	0396 24925 32807	18 14 17	19	3	3 4	-	-	-	-	-	-	-	-	-	-	-	12	-
May Fair WW G.J.	30353 59220	13 26	9 25	2 5	5	:	2	-	3	-	-	1	-	2	2	2	9	-
Reigrave WHHH- C.	35496 24679	22 7	13	ī	3	-	2	-	-	-	=	-	-	-	1	ī	3	-
St. James Westminster H - C.  St. James Westminster WHH N.R.&G.J.  St. James Schon HHHHHHHH - N.R.		9 5	13	1	3	-	-	ī	-	-	-	-	-	-	1 -	2 -	3 -	-
St. Anne Sono HHIRIHII	10005								_						-		8	
	26759 14891	10	12 5	2	3		-	-	-	-	-	1		_	-	-	- 4	:
All Souls Marylebone HillH - W. M. Cavendish Square HHIHH - W. M. Restory Marylebone WH G.J. & W. M. St. Mary Marylebone H - V. M. Christchurch Marylebone H - W. M. At John Marylebone H - W. M.	24909 21118	12 30 14	10 2 15	1	1 7	-	-	-	-	-	-	_	- !	-	-	-	1	-
Christchurch Marylebone H - W.M. St. John Marylebone H - W.M.		17 30	10 7	3 3 1	1 5		-	-	-	-	_			-	_	1 -	-	-
Hampstead WwwHHHH N.R. & W.M. Regent's Park Pancras H W.M.	45452 89115	23	11	4 3	6	-	-	-	-	-	-	-		-	-	ī	- 8	-
Hampstead WwwHHHH R. W.M. Regent's Park Pancras H W.M. Tottenham-court wHHHH N.R.W.M. Gray's Ina Lane HHH - N.R. Somers Town H- N.R.	27729 30247	16 24 26	16 17 8	4 3	6 3 2		=	-	1	=	-	-	-	1	-	2	3	-
Camden Town WH	34369 17811 87487	15 65	15 29	3 12	7 5	-	-	-	-	-	-	-	12	1	8	3	10 4	
WWanH - N.R.	67946 100976	62 78	40 39	6 12	13 15	-	2	2	-	-	-	-	-	1	2	3 2	19	
latington South-west HH - N.R. Islington South-satt - N.R. Highbury H - N.R.	61895 52048	37 24	26 17	5 -	6		2	-	-	-	-	1 -	ī	-	-	2	3	-
Nata Namington H N.R.	22781 9277	11 7	9 2	2 -	3	-	-	1 -	-	1 -	-	-	-	-	1	1	-	-
Stamford Hill - E.L. West Hackney H - N.R. Hackney WwwwH - E.L.&N.R.	37610 76911	19 55	6 40	3 4	13 3	=	2	2	3	-	-	1	-	1		1	13	-
South Hackney E.L.  CENTRAL DISTRICTS.	39483	27	11		0				-									
St. George Bloomsbury N.R. St. Giles South WH N.R. St. Giles North N.R.	16681 14864	10	8	3 -	3	-	2	-	-	-	-	-	-	1 -	-	-	2	-
No Moutin in the Fields HH N.R. & C.	13837	6	6 7	2	1	-	2	-	-	-	-	_		-	1	1	3	
St. Mary-le-Strand H N.R. St. Clement Dance H N.R. Workhouse Edmonton W.	7515 8559	2 9	11	4	2	-	-	-	2	-	-	-	-	-	ī	2	6 3	-
Strand Union Working HHHHHHH N.R.	18671	12	13	2	2	-	1	-	-	-	-	-	-	-	-	-	5	-
St. Andrew Eastern W	10706 6533	2 6	5	-	-	-	-	=	=	-	-	=	-	-	-	-	-	-
St. James Clerkenwell - N.R. Amwell Clerkenwell - N.R. N.R.	17516 19231 14773	12	2 5	1 1	ī	-	-	-	1	] =	-	-	-	-	-	-	-	-
Pentonville - N.R N.R. Old-street H - N.R.	17506 11541	7	6	1 2 -	4	-	-	-	-	-	-	-	-	1	-	0	-	
Sattron Hill   H	18628 9217	9	7 8 1	2	2 - 1	-	1 -	_	-	-	-	=	-	-	1	2 -	-	B
Holborn Union Workhouse, Mitcham, w.	1293	1	2	=	-	-	-	=	-	-	-	-	-	-	-	-	2	
	11174 7193 5358	6 -	5 4 21	1 -	2 - 3	-	ī	-	1	=	-	Ξ	=	-	- 5	1 - 6	19	
St. Bride W. N.R.	8396 13666	1	2 4	-	2	=	-	-	-	=	-	-	-	-	ī	1	-	1
Allhallows Barking N.R. Broad Street H - N.R.	5652	6 2	4	1	; 2	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The Italic letters pieced against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse Establishment receiving inmates from other Districts than that in which it stands see note at the loot of next page. The Homan capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies Grand Junction Company; W.M. West Middlerex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East London; and K. the Kent Company.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARREGA, VIOLENCE, &c., registered in each Sub-district

Saturday, the 26th January, 1889.			- 1															
							The	DEA	TRS 1	regist	ered i	n the	Wee	k inci	ude			
ec .	Enume-			Deat	hs of	1			1	Death	s from				_		2	20
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total Вівтня.	Total DEATHS.	intants under l'Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fever,	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
FAST DISTRICTS.  Holywell Shoreditch - N.R. & E.L. St. Leonard Shoreditch HL*, - N.R. Hoxton New Town 10 N.R. Hoxton Old Town - N.R. Haggerston WH N.R. & E.L.	7376 14967 29937 28036 46275	4 11 28 18 45	2 3 19 6 24	- 1 3 2 3	1 9 1 7	11111	3 1 1	1		1 -	11111	1	1111	11111	1	1 8	11 11	11111
Hackney-road H-/ - E.L. Green, Bethnal Green WHL* - E.L. Church, Bethnal Green - E.L. Town, Bethnal Green - E.L.	29788 47982 29981 19810	26 33 28 23	9 27 15 6	5 1 4 4	1 8 3 1	1111	1 1	1111	1111	1111	1111	- 1 -	1111	1 -	1 1 1 1	1 2 1	20	1111
Spitalfields - F.L. & N.R. Mile End New Town W - E.L. Whitechapel Church H Goodman's Fields - E.L. Aldgate - E.L. N.R. & E.L.	22585 15478 17490 9718 6102	15 18 6 3 8	9 14 20 4 1	3 4 2 3 -	1 4 3 1	11111	1	11111	11111	1	11111	11111	11111	11111	1 - 4	5 -	9 17 -	11111
St. George's, North E.L. St. John, St. George East W - E.L.	88747 8410	29 2	18	4 2	3	-	1 -	-	-	-	-	-	-	ĩ		1	7	-
hadwell HH - E.L. & N.R. Rateliff E.L. Limehouse E.L.	10895 16107 82041	6 9 21	5 7 9	3 2	2 4		2 1 7	111	1.1.1	-		111		1	111	-	8	111
Mile End Old Town West - E.L. Mile End Old Town East NuwH- E.L.	27960 67653	28 52	8 34	2 5	16	-	ī	ī	-	ī	-	-	-	ī	1 1	4	8	1 -
Bow E.L. Bromley $wwH$ E.L. Poplar $WWH$ E.L.	37074 64859 88077	22 61 46	9 82 23	4 8	3 11 6	-	1	1 -	1 2	1-1-1		111	1.1	111	4 2	6 4	16 5	= =
South Districts   Southwark   WH   L. & S. Saviour Southwark   S. Saviour Southwark   S. Saviour Southwark   S. Saviour Southwark   S. & L. Sorough-road   WH   S. & L. London-road   RL   S. Peter Walworth   S. & L. & S. St. Mary Newington   L. & S. L. & S.	18668 14999 21381 15968 21318 20672 59555 21628	9 19 18 17 16 45 18	5 1 9 10 8 12 22 11	1 -3 1 3 6 8	1 1 4 9 2		1 - 8 - 2 1 -	1111111	1	1113111	11111111		1111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1	2 1 - 1 -	31	1 2 1 1 2 1 1
St. Olave WH S. & L. St. Mary Magdalen W - S. & L. St. James Bermondesy - S. Rotherhithe WH S. & K.	11956 16800 15669 54683 86024	3 6 5 85 87	12 7 9 19 19	4 3 4 8	1 - 2 5		1 2 2	- - 1	1	1 7		11111	11111	1	- - 1	1 2	5.	1
Waterloo-road 1st   H -	15195 16351 19876 89859 45282 35882 62837 19017	11 21 12 82 81 22 28 17	6 11 22 27 21 13 16 3	2 2 6 8 2 2 4 2	8 6 7 6 1 5	11111111	1 2 1 1 1 1 -	1 - 1			11111111	1 1 1 1 1 1 1	1111111	111111	2	281111	7: 9	1 - 2
East Battersea	54675 52587 36880 28004 18235 25553	52 55 17 23 3 17	16 25 4 9 6 14	5 4 - 2 2 2 2	1 7 8 2 2 7	111111	5		- - - 1		1111111		11111	1	1		5	11111
Dulwich Camberwell WwL*L* - S. & L. & S. Peckham W - S. L. & K. S., L. & K.	5590 59104 71089 50810	8 41 62 40	37 35 20	- 3 6 5	16 7 4	7 -	2 8 6		1	3 2 1		-		23 -		2	26 2	1
St. Paul Deptiord www - K. St. Nicholas Deptford K. Greenwich West H K. Greenwich East WHH - K.	76752 7901 21972 24608	56 2 15 17	35 4 7 28	8 1 1 2	7 1 2 9		1 -	5	- 1	5			9	1111	2 - 1	2 - 1	6 - 1 14	2 -
Eltham $H$ $K$ . Lee $H$ $K$ . Lewisham $WH$ $K$ . Lewisham $H$ $K$ .	21559 19865 26076	3 7 11 8	6 7 6	1 1	1 5 8		5 -		11111			1111		1111	1 4 1 1		1	1111
Charlton H K. Woolwich Dockyard K. Woolwich Arsonal HH K. Plumstead, West H K. Plumstead, East W K.	10980 17617 19048 14009 19241	8 18 16 10 19	2 7 5 5 7	2 1 1 1	1 2 1 2 2	11111	11111	11111	11111			1111	1	1111	1	- - -	11118	1
Metropolitan Asylum Hoepitals:  Dartford w Winchmore Hill w	=	-	-	-	-		-		111	1 - 1 -		-	1 - 3		111	1111	=	- 1 -

The following Workshotts Establishments receive inmates from other fristricts than the one in which they stand, and are indicated in the time Table by wo:-

Warylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum in Tottennam Court-road sub-district.
Holborn innirmary in Upper Holloway sub-district.
Holborn " " " Horseney sub-district.
Holborn " Hoxton New Town sub-district.
Whitechapel " Hoxton New Town Fastern sub-district.
Whitechapel " Man Bendiel Town Eastern sub-district.

Private Lunatic Asylums in which papers are received.

Siepner Workhouse in Bromley sub-district.

Fopust a Niepney Siek Asyjum

Westminster I und industrial Sebool in West Batterses sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.

Métropoutan Asyjum District Hospitals in Funam, Hampatead, Hackney, Briton, and St. Paul, Deptord sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION; BIRTHS and DEATHS registered during the

. ABLE	6.—LUNDUN.— U	3 2 22.11	TING	Veek	endir	g Sa	turday	, 26tl	h Jan	uary	, 188	9.						
		\rea						T	he Dr	ATHS I	register	red in	the W	eek u	elude			
egis- ration		in Acres,	Enume-			Dest	hs of			I	eaths	from						1
')istrict	REGISTRATION	inclu- ding	rated Popu-	HS.	DEATHS.	o. 1	de.					ough.				88.	Public	Uncertified Cause
Sub-	SUB-DISTRICTS.	Tidal Water	lation,	BIRTHS	DEA	under of Age.	aged & upw	OK.		Fever	ria.	ng-60		BS.	90	t Cases.	in E	itted
Num-		and Fore-	1881.			Infants Year	Persons Years	Small-pox.	Measles	Scarlet Fever.	Diplitheria,	Whooping-cough	Fever.	)iarrhæ6	Violence.	Inquest	Deaths in	noort
bers.		shore.				Inf	Per	San	Me	Z.ce	Tia	*	- Fe	-0.	- V	=	a_	2
LO	DON-OUTER RING	370,924	950,957	788	418	108	125	-	13	-	3	4	3	9	15	26	52	3
																	11	_
30:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	12 10	15 8	1	5 3	-	-	-	2	-	Ē.	-	-	-	6	-
37:1	Godstone (part of) * -	2754	1235	1	1	-	1	-		-		-	-	-	-	-	-	-
38:1	Croydon WwHHL -	20851	101241	49	28	11	5	-	2	-	-		1	1	-	2	2	_
2	Mitcham w † -	11697	17982	12	4,	1 2	1 3		_		-		-		1	1	1 -	_
89:1	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	17 20	12	2	6	-	-	-	1	-	-	-	1	1 -	-	-
8	Esher (part of) * - Hampton H	6601 4573	9221 13539	5 12	2	2 1	2 -	-	-	-	-	-	-	1	1	1	-	-
40:1	Richmond WH	2272	21302	10	3	-	3	-	-		-	-	-	-	-	-	-	-
41:1	Mortlake	29 t1 15639	12331 31142	6	5 6	1	1	-	-	_	_		-	-	-	-	-	-
2	Bromley (pt. of) * HH Chishrst(pt. of) * WHH	4	15814	6	9	-	4	-	-	-	-	-	-	-	1	1	8	_
42:1	Bexley H Dartford (Ww, pts. of)*	18437	24134	10	6	1 -	3 -	-	-	-	_	_	-	-	1 -	-	-	-
124:1	Sunbury w	11055	11685	2	5	-	4	-	-	-	-	-	-	-	-		4	1
2	Staines W	13277	12089	12	6	1	4 3	_	_	_	-	-	-	_	_	2	-	-
125:1	Hillingdon WHH - Uxbridge	6029	3225	6	3	2	-	-	1	-	-	-	-	-	-	-	1	-
8	Hayes wHL	14587 7003	11523 22727	14	21	1 7	8	_	_	_		-	1	2		8	5	-
126: 1	Isleworth WHH Twickenham H	2477	12479	7	. 5	1	1	-	-	-	-	-	-	1	2	1 2	-	-
8	Brentford HL	4345 1349	27849 15975	14 21	8	3	3	-	-	-	-	-	-	-	-	-	-	-
5	Acton wH	6083	22876	14	9	5	1		-	-	1	-	_	1 -	_	-		
127 : 1		13809	12793 8749	6 2	3	1 2	-	-	-	-	-	-	-	-	-	- 2	-	-
1 3		4383 8382	27453 10484	12	6	8	1	-	1 -	_	-	1	_	-	2 -	-	1	-
137 : 1	Bushey	9331	6621	8	2	-	1	-	-	-	-	-	-	-	-	-	-	-
128:		15599	6391	2	2	1	-	-	_	_	-	-		-	-	-	-	-
	Barnet	5483	10092	4	4	-	1	-	-	-	-	-	-	-	1	1	7	-
135:	Finchiey HL Hattield (part of) *	4688	17615	17	8 -	-	2	-	_	-		-	-	-	-	-	-	
129:		8039	37078	25	12	5	1	-	1	-	-	1	-	-	-	1	2	-
	Tottenham H - G Edmonton Ww ‡	- 4642 - 7483		69	31	11 3	4	-	-	-	1 -	-	1 -	2 -	1	1	2	-
1	Enfield WH -	- 12853 - 11017	19104	12	10		5	-	-	-	1	-	-	-	1 -	1 -	2	-
	6 Chesnunt	8490	7735	11	1		-	-	-	-	-	-	-	-	-	-	-	-
186:	1 Stratford 2 West Ham wwwwHS	- 892 - 7351			13 62		13	-	6	-	-	2	-	-	1	3	-	2
1	8 Leyton WwL -	- 4372	32430	87	21	5	9	-	-	-	-	-	-	1	1	1	5	
187 :							1		-	-	-	-	-	-	-	-	-   -	
	2 Epping (W, pt. of)*		- 2/11	-		-	-	-	-	-	-	-	-	-	1			
189:	2 [lford	- 8193	7645	9	6	1	4	-	-	-	-	-	-	-	-		-	-   -
	3 Barking Town •	- 412	9203	14	7	1	.   2	-	-	-	-	-	-	1	1			-   -

<sup>\*</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow—
30:2. Epsom sub-district, except the parishes of Ashatead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3. Esher sub-district, except the parish of Esner (pop. 1933); 41:1, Bromley and-district, except in parishes of Cadham and Knockholt (pop. 1818); 41:2. Chiefendurst sub-district, except the parish of Theydon Bois (20: 40: 10: 135:1, the parish of Nortnaw in Hatdidd (2:2, Dartford, 187:2, Watford, and 187:1, Epping, sub-districts, deaths in Workhouses, belonging to Metropolitan Police District.
† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

§ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 26th January, 1889.

			ANNUA	L RATE			The Da.	ATHS	regis	tered	in t	he W	eek u	neiud	6	
CORRADOR	Area in Acres	Estimated	of Mor	TALITY living.	DEATHS	Deat	hs of			I	eath	s from	a			ublio
GREATER LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-	Fever.	Diarrhea.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
REATER LONDON	448,334	5,642,015	18.8	3.1	2038	433	594	-	96	20	36	28	14	33	65	453
INNER LONDON -	77,410	4,351,738	19'4	2.3	1620	325	469	-	83	20	33	24	11	24	50	401
OUTER RING .	370,924	1,290,277	16.9	1.3	418	108	125	-	13		3	4	3	9	15	52

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 8.—Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,535,861 Persons.

		DUMINIOU III	00	8		1	-	-		200		F70	
- t 7:						Awwway	DE	ATHS	FROM	PRINC	ES.	ZYMOI	
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN Week endin		BIRTHS.	DEATHS. f Stillborn.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhogal Diseases.
CALCUTTA	433,219	November	24	_	-	-	-	-	-	740	- ]	+	-
BOMBAY	773,196	January	1	309	430	24.8	1	9	5	2	5	154	39†
MADRAS	398,777	December	14	310	328	42.7	1	6	2	5	5	62	51†
PARIS	2.260.945	January	19	1168	1027	23.6	2	50	-	37*	5	15	38
RUSSELS	462,069	_	19	800	202	22.7		12	-	8	3	- 3	9
vith 8 Faubourgs.)													
AMSTERDAM	390,016	**	19	268	202	26.3	-	16	-	3	2	-	1
HOTTERDAM -	197,723		19	117	121	31.7	7	-	-		2	_	
THE HAGUE .	149,477	19	19	100	74 -	25.7	-	2	-				
COPENHAGEN -	307,000	29	12	262	107	18.5	-	-	-	4	. 1	-	4
STOCKHOLM -	221,549	29	12	128	70	16.4	-	-	3	5*	-	2	5
CHRISTIANIA -	185,600	23	19	46	58	22.2	-	1	1	7	2		1
ST. PETERSBURG	842,883	23	12	="	553	34.2	-	-	11	11	5	13	74
BERLIN	1,470,582		5	639	392	19.5		12	-	14	7	2	28
HAMBURG(State)	550,694	93	12	343	258	24.4	-	1	3	21*	2	7	11
DRESDEN	264,196	99	12	142	99	19.5	5	-	-	9*	. 5	2	3
BRESLAU	313.451	39	19	213	179	29.9	-	-		10	3	-	4
MUNICH	281,000	. 33	12	194	135	25.0		6	4	12*	S	-	14
VIENNA	811,434	33	12	528	415	26.6	-	4	2	3	2	5	45
PRAGUE	300,828	. 25	12	-,	197	34.2	15	5	1	11	1		6
BUDA-PESTR .	452,907	33	12	293	253	29.0	-		2	4	1	5 1	14
TRIESTE	158,084	B	12	-	95	31.2	1	-	-	2*	1		,
ROME	402,232	December	8	-	-	-	-	-	-	-	-	-	-
TURIN (10 days)	294,826	19	20	232	189	23.4	2	3	-	4		3	12
VENICE	153,218	January	5	75	68	23.2	-	7	-	1*		1	
CAIRO	374,838		3	476	298	41.2	1	-	~	-	7	18	79
ALBXANDRIA -	231,396	93	3	228	191	43'1	-	3	-	.3*	1	9	45
New YORK -	1,548.628	9)	5		785	26°4	-	25	47	43	14	9	14
B OOKLYB -	814,505		5	- 1	345	22.1	-	5	9	25	9	3	3
PHILADRIPHIA -	1,040,245	29	5	-	366	18.4	-	-	14	4	. 2	10	1 3
ALTIMORE -	500,343	39	5	-	164	17°1	-:	-	; -	6	3	7	3
						d	11	1					

Including deaths from croup.
The deaths returned under "Diarrheeal Diseases" include 9 from Cholera in Bombay, and 6 in Madras.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROXAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 26rm JANUARY, 1889.

					1				M	eteor	rolog	ica	d Obs	ervation	\$.							1
		, ion		0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	27	a; no	r, are	luced ygro-	aphic	" and	and the	The ; and	show to the	ni 10.	-
	Rain	in a Gauge whose	surface is 5 inches above the Ground.	in. 0.14	10.0	00.0	00.0	00.0	00.0	00.0	Sum 0.15	26	of the se	rmomete m a discu aromete mean re the max	re of the	photograntal move	"higher;" wo feet l	Deptford, ons from	rometer.	Sunshine Instrument, shown anderstood as applying to the	reek to 30 sed to 30	
			Depar- ure from Average of 16 Years.	Miles.	-136	- 16	-231	- 241	1 78	- 18	Sum - 903	25	an level	bulb the luced for the k	emperatu humidity by Glai	on of the f horizor	dicates of the	arket at ] instructi	ing Elect	hine Ins	g of the w	
	TS.	Robinson's.	Horizontal Movement to of the Air on each Day.	Miles.	196	317	102	93	257	317	Sum 1431	24	ve the me	d the wet ctions ded nding 1873 With the of the rea	the of tellegree of	a discussi and that o	that + in	Cattle Ma	lf-registeri k; m. mc	okes Suns be unders	beginning	
١	emomete	the	an 24 urly s.	lbs. 0.0	2.0	0.5	0.0	0.0	0.1	0.1	:	23	feet abc	of correcters.	laily ve	from g 1868, g	n mind uspend	Market	on's se w. wea	bell-Sto y. are to	n. at the	
ı	om An	Pressure on the	Least.	lbs.	0.0	0.0	0.0	0.0	0.0	0.0	:	22	is 159 iduce 1	momer response	ean carature	lerivod endin	orne i	the I	Phoms tive;	Camp ach da ations	0.13 fr	
ı	luced fi	Pres	Great.	lbs.	67	1.1	0.0	0.1	0.2	1.5	:	21	neter s to re M.: ng	lb then application the two	the m	that d	l be b	lerk of	rom 7	n the e on ea	from 8	-
	Wind as deduced from Anemometers.	General Direction.	P.M.	NAE. & N.	WNW.N.	NNE. & N.	N. & WSW.	NNW.&SW.	WSW. & WNW.	WsW.	ble.	20	of the baro	r, the dry bu alues by the made during ing 1868 for t	rs, forming ly dew point s of the dry	of the air is luring the 20	and 25 it will a.s.	e of the jett ed by the C	is derived to positive; N	), derived from ight sumshimateorological c	to midnight. ter decreased sed to 30°32 in	
Topol	1		A.M.	SW.	SW.& WSW.	NNE.	NNE. & N.	SW. & NW.	SSW. W. &	WSW.	Variable.	19	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 91, a.m.; noon; 30, g.m.; and 30, g.m The means of the	eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic secords made during the twenty years enting 1873 for the barometer, and chirmly the training 1873 for the barometer, and the training 1881 which wenty years enting 1881 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the reading of the maximum.	and minimum thermometers, forming the mean daily value of temperature of the sir- colomn 18. The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wer bulb thermometers by chalsher's Hygro-	etrical 1ables.  The average temperature of the air is that derived from a discussion of the photographic cords made at Greenwich during the 20 years ending 1868, and that of horizontal movement	of the air from a discussion of the anemometric records for the 16 years ending 1875.  In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and  — "lower," than the average.  The thermometers in the water of the Thames are guspended at a depth of two feet below	the surface, at the end of one of the jettles of the Foreign Cautle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Commentation of London.	The record of Blectricity is derived from Thomson's self-registering Blectrometer. The grandols employed are :—Y. positive; N. negative; w. weak; m. moderate; s. streag; and v. variable.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the largerested curation of bright sunshine on each day.  The results of all the meteorological observations are to be understood as applying to the	civil day, or from midnight to midnight. The reading of the barometer decreased from 30°13 in. at the beginning of the week to 30°01 in. By noon on the 20th: increased to 509°32 in. by 91s. A.m. on the 25rd; and decreased to 30°19 in.	he week.
er woy		Of the Water of the Thames at Deptford.	Low- est.	38.6	36.9	37.9	38.3	38.7	39.1	39.3	38.4	18	ight of has b	ngs of into otograj ie twen	imum 8). T	metrical Tables. The average to records made at	from thing the true that the true that the true true true true true true true tru	ce, at t	eord cemplo	umbers skate d sults	or fro	nd of th
romone	ATURI	Of the of the 3t Der	High- est.	0.14	0.14	41.5	41.6	40.0	0.17	6.07	0.14	17	The he	readi vertection phe phe ching the	lumn m the	trical The avords n	the air read "lower the the	surfa	The render	The nue aggreen	ril day Fhe reg	the en
16:21.91	TEMPERATURE.		Lowest on the Grass.	0 0	21.2	29.8	21.5	30.5	39.1	31.1	27.7	16	Cor					\$ # £	at syl	th	by by	by
ce of t	TE	Of Radiation.	High- est in Sun's Rays.	0.37	42.3	2.12	9.74	43.0	43.5	6.84	53.9	15		unts o ith rain intense	able a	generally	; dens		gloomy a			
nemas		Degree of Hu- midity	ration equals 100).	100	100	. 83	66	26	88	25	93	14	zů.	P.M., w	l; over	morning; g	2h. P.M.					ľ
rperin	ween		Least.	0.0	0.0	1.0	0.0	0.0	9.0	10 . H	₹.0	13	MARE	rarial till 4h.	revailed ht rain	n morn	n and	ning.	morning; very			-
the Su	nce bety	Air Temperatui and Dew Point Temperature.	Great-	0.7	9.2	6.4	5.0	3.0	4.4	9.01	2.0	12	L RE	g, with	fog p	fine in	at othe	in morning		.:		
Under the Superintendence of the Astronomer Augus.	Differe	the Air Temperature and Dew Point Temperature.	Mean daily value.	0.0	0.0	4.4	0.3	2.0	3.5	9.9	2.1	=	GENERAL REMARKS.	mornin from 9h ter pal	dense	y and	t betwe	fog	ggy in	eloudy		
	T.	Of the Dew Point.	Mean daily value.	0 25.75	34.8	33.4	33.0	9.18	6.48	2.68	36.4	10	GE	early rereast he grea	night.	y cloud afterwa	d brigh iled ger	t. Dense	st. Fo	Fine; partially cloudy.		ı
	E.		De- parture from verage of	0 - 1.4		手.1 -	₹.9	- 1.4	+ 1.3	+ 0.4	- 1.1	6		Fine in early morning, with variable amounts of cloud; overcase from 2h A.M. fill 4h. P.M., with rain during the greater part of the time, and intense cloum, harawen norm and 2h. P.M.; cloudless bits	foggy at In mor evening,	Partially cloudy overcust afterwards	Fine and bright between noon and 2h. P.M.; dense fog prevailed generally at other times.	Overeast,	Overcast. Foggy times till afternoon.	Fine; 1		
	TEMPERATURE	1	Mean daily value.	37.7	34.8	38.1	34.2	38.3	41.1	45.3	38.5	00	above rizon,	10	00 70	9.8	9.8	4.8	2.8	8.00	8um 60.4	80
	EMPE	Of the Air.	Daily Range.	0 . 13.9	6.11	6.3	11.5	9.01	3.4	2.01	4.6	4	ed Sun e, Ho s. in h									
~	T		Low- est.	0.00	29.1	35.2	6.62	32.4	39.7	1.07	93.8	9	Registered Sun above Sunshine, Horizon, in hours.	0.0	0.0	1.1	0.2	0.0	0.0	3.7	Sum 5.3	2.0
			High-	0.67	41.0	41.5	41.1	43.0	43.1	8.09	43.3	10	-				ler {					
	BARO-	Mean laily ading	corrected and reduced to 320 Fahren.	in.	30.116	30.253	30.307	30.599	30.251	30.505	30.211	4	ination ee Note				nt under					~
	-		Moon. an du		: :	30	In 30		30	30	30	00	ELECTRICITY. (For explanation of symbols, see Note.)				Instrument adjustment.					28
	_			Y	21	55	23	24 L	22	56		-		20	22	្ដ	S4	24	8	26		•
		1889.	MONTH AND DAY.	JANUARY.	Mor.	TUES.	WED	THURS	FRI	SAT.	MEANS	No. of Col.	DATE. JANUARY.	SUKDAY	MONDAY .	TURBDAY .	VEDNESDAY	THURSDAY .	FRIDAY .	SATURDAY.		No. of Col.

# WEEKLY RETURN

#### LONDON BIRTHS AND DEATHS IN

AND IN

## TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

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No. 5. 1889. Vol. L.

WEEK ENDING SATURDAY, FEBRUARY 2.

Price 11d.

General Register Office, Somerset House, 4th February, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20.0 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending	7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Weeks	ending	
Towns.	Jan. 12.	Jan. 19.	Jan. 26.	Feb.	Towns.	, .	Jan. 12.	Jan. 19.	Jan. 26.	Feb.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby -	28·3 44·8 24·1 20·0 16·7 25·5 31·9 21·7	22·5 33·8 15·9	24·9 27·1 19·6 15·8 17·1 18·2 24·5 12·2	18·7 33·6 20·0 16·9 16·7 19·1 23·1 20·1	Liverpool - London - Manchester Newcastle-on-Tyr Norwich - Nottingham Oldham - Plymouth - Portsmouth	- ne*	24·9 34·6 23·7 24·8 18·2 26·7 21·3 21·1	27.5 21.2 26.9 20.4 20.4 16.2 28.2 24.0 20.7	19·4 26·9 21·7 15·5 18·9 25·7 23·3 15·9	18·8 25·5 24·0 28·7 20·0 22·7 14·7 14·4
Halifax - Huddersfield Hull - Leeds - Leicester* -	24·2 18·8 24·2	,	20·2 14·5 18·1	20.2	Preston - Salford* - Sheffield - Sunderland Wolverhampton		26·7 26·0 22·6	24·5 19·6 22·0 21·0 22·1	23·8 25·5 20·2	23·4 20·9 19·4

The highest annual death-rates, measured by last week's mortality, were:from measles, 2.2 in Salford, in Oldham, and in Liverpool, 2.5 in Birkenhead, nom measures, 2.2 in Santord, in Oldnam, and in Enverpoor, 2.3 in Blackburn; 3.0 in Bristol, and 5.2 in Blackburn; from scarlet fever, 1.1 in Salford and 2.2 in Blackburn; from whooping-cough, 1.3 in Nottingham, 1.7 in Norwich, 3.0 in Blackburn, 3.5 in Preston, and 3.6 in Birkenhead; and from "fever," 1.1 in Derby. The 57 deaths from diphtheria in the twenty-eight towns included 38 in London, 6 in Manchester, 5 in Salford, 3 in Nottingham, and 2 in Sheffield. No death from small-pox was registered in any of the twenty-eight great towns.

LONDON.

In London 2662 BIRTHS and 1572 DEATHS were registered. Allowing for increase of population, the births were 318, and the deaths 515, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 24.9, 21.2, and 19.4 in the three preceding weeks, further declined last week to 18.8. During the first five weeks of the current quarter the death-rate averaged 21·1 per 1000, and was 2·8 below the mean rate in the corresponding periods of the ten years 1879–88.

The 1572 deaths included 71 from measles, 11 from scarlet fever, 38 from diphtheria, 38 from whooping-cough, 10 from enteric fever, 1 from an undefined

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leieester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leieester, Salford, and Bradford are under-stated and those for Newcastle-upon-Tyne and Cardiff over-stated.

form of continued fever, 13 from diarrhoa and dysentery, and not one from smallpox, typhus, or cholera; thus, 182 deaths were referred to these diseases, being

70 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 17. Only one small-pox patient was under treatment at the end of the week in the Metropolitan Asylum Hospitals, and one in the Highgate Small-pox Hospital. The fatal cases of measles, which had been 176, 121, and 83 in the three preceding weeks, further declined last week to 71, but exceeded the corrected average by 37; 5 belonged to Islington, 4 to St. George Southwark, 7 to Lambeth, 4 to Battersea, and 10 to Camberwell sanitary areas. The 11 deaths from scarlet fever showed a considerable decline from recent weekly numbers, and were 23 below the corrected average; 4 belonged to Bethnal Green sanitary area. At the end of the week the Metropolitan Asylum and the London Fever Hospitals contained 675 scarlet fever patients, against numbers declining in the eleven preceding weeks from 980 to 672; 65 cases were admitted during the week, against 41, 51, and 61 in the three pre-The fatal cases of diphtheria, which had been 38 and 33 in the two preceding weeks, rose again last week to 38, and exceeded the corrected average by 19; 4 belonged to Kensington, 4 to Pancras, 2 to Islington, 2 to St. Giles, 2 to Mile End Old Town, 3 to Poplar, 4 to Lambeth, 2 to Battersea, 2 to Wandsworth, and 2 to Camberwell sanitary areas. The fatal cases of whooping-cough, which had been 36 and 24 in the two previous weeks, rose last week to 38, but were 76 below the corrected average; 4 belonged to Fulham, 4 to Islington, 6 to Bermondsey, and 4 to Greenwich sanitary areas. The 13 deaths attributed to diarrhæa and dysentery showed a decline of 11 from the number in the previous week, and were 2 below the corrected average.

The deaths referred to enteric fever, which had been 7 and 10 in the two preceding weeks, were again 10 last week, and were 6 below the corrected average; 2 belonged to Shoreditch sanitary area. The death of an adult female in Islington was indefinitely referred to "fever." The Metropolitan Asylum Hospitals contained 62 cases of enteric fever, and one of typhus on Saturday last; one case of enteric fever was admitted during the week, against 8 and 5 cases in the two

preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 652, 492, and 456 in the three preceding weeks, further declined last week to 410, and

were 236 below the corrected average.

Different forms of violence caused 55 deaths; 43 were the result of negligence or accident, among which were 18 from fractures and contusions, 7 from burns and scalds, 4 from drowning, 2 from poison, and 10 of infants under one year of age from suffocation. The 18 deaths from fractures and contusions were thus caused: -3 by accidents from vehicles in the street; 1 by fall from scaffold; 1 by fall from bridge; 1 by fall against chair; 1 by fall from bed; 2 by fall down stairs; 5 by fall, the nature of which was not stated; 1 by injury from machinery; 1 by injury from fall of barrel; 1 by kick; and 1 by fracture, the cause of which was not stated. An inquest was held in each of these 18 cases. Twelve cases of suicide were registered, the corrected average being 6.

GREATER LONDON.

In Greater London 3532 births and 1942 deaths were registered, corresponding to annual rates of 32.7 and 18.0 per 1000 of the estimated population. In the Outer Ring 12 deaths from measles, 7 from diphtheria, and 6 from whooping-cough were registered. Three fatal cases of measles and 2 of scarlet fever occurred in West Ham sub-district, and 3 of measles in Croydon sub-district; and 2 deaths from diphtheria were recorded in Tottenham sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.83 ins.; the highest reading was 30.46 ins. on Sunday at noon, and the lowest 29.31 ins. at the end of the week. The mean temperature of the air was 43°1, and 2°8 above the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on each day of the week, except on Sunday and Saturday, when it was below the average. The general direction of the aim was westerly, and the horizontal movement of the air averaged 18.4 miles per hour, which was 4.3 miles above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0.22 of an inch. The duration of registered bright sunshine in the week was 13.0 hours, against 14.7 hours at Glynde Place. Lewes. Glynde Place, Lewes.

4.5		_		_							_	_	_		_					-			-				_			_		_	
		CITIES	AND BOROUGHS.		Cols.	- 28 Towns.	LONDON.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPION.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	LIVEDDOOT	BOLTON.		MANCHESTER.	Ornuan.	BLACKBURK.	PRESTON.	HUDDERSFIRED.	HALIFAX.	BRADFORD.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIER.	EDINBURGH.	GLASGOW. DUBLIN.
	ALL.		Centi-	nI on	24.	1.03	0.26	1.09	1 1	1.83	1.19	0.58	1	1	₹4.0	ı	1.87	70 1		ŧ	8 1		1	1	1	1.47	1 1	0.58	1	69.0	1	f	1.80
	RAINFALL		nopen.	In	23.	0.40	0.55	0.43	1 1	0.72	0.47	0.53		1 8	67.0	ı	0.84	5 1		1			1	1	1	0.28	1 1	0.53	1	0.57	1	1	11.0
	AIR.	å	.sbarg	Centi	22.	00.9	21.9	2.01	1 1	2.79	2.04	4.94	1	1	5.83		R. KO	3 1					1	1	1	6.17	1 1	5.17	1	5.89	1	1	6.28
	OF THE	Mean	.tiedae	Fahre	21.	42.8	43.1	42.1	1 1	45.9	45.7	6.07	,	1	42.2	1	40.07	2 1		1			1	1	1	43.1	1	41.3	1	45.6	1		43.3
3	ATURE		Гомев	heit.	20.	28.0		32.2	1	54.6		0.83	1		80.4	1	- 00	2 1		1	1	1 1	1	1	1	29.4	ı	0.66	1	30.0	1	1	- 1.87
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A TOWN OF THE OWN	per 1006,	to the Week's Deathe	.asauı .mo:	RO TH	17. 1	30.08			14.4			0.75	18.7			1.07				25.5					19.3			8.02				1	9.43
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SIKTH		Deaths	ts under	inslal Y I	4.	845	870	10	11	Ξ,	0 X	2 10	30	15	25	00	22	52	6	88	16	14	22	14	202	20	28	28	33	10	2 22	t	27
TABLE L.—DI	during	ending	* 1999.	EATES.	က်	3659	1572	39	39	525	2 8 8 4	38	163	51	16	38	09	243	4	185	105	62	00 :	45 9.6	8 8	76	142	131	29	50	20		181
LABLE	Registered during	the Week ending	ZDG 1.605, 1865.	BIRTHS, DEATHS.	oi	5672	2662	62	80	69	180	89	272	92	123	41	20	297	20	250	123	89	61	87	41	136	233	214	112	97	14	•	214
		POPULATION t	to the middle of the Year 1859.	2	1.	9,555,406	4.351.738	121,807	141,253	94,510	78,225	82,544	454 835	150,520	287,812	98,529	102,541	606,562	114,670	878,800	234,283	142,405	121,275	102,192	81,080	225,056	357,449	827,227	208,017	160.988	112,712	266,900	528,144 353,082
					Cols.		•	•	•	٠		TON		•	۰	٠	٠	•	•	•	•	•	•		•	•	٠	•			8 .	•	
		Ottorio	AND BORUUGHS.		5	28 TOWNS	Town or	REIGHTON	PORTSMOUTH	NORWICH .	PLYMOUTH .	WOLVERHAMPTON	Denmark	LEICESTER *	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL .	BOLTON .	MANCHESTER	SALFORD* .	· MYHOT()	BN	HIDDERSPIED	HALIFAX .	BRADFORD	LEEDS	SHEFFIRED .	SHADBELIAND	NEWCASTLE.	CARDIFF.	EDINBURGH .	GLASGOW .

TABLE 2. LONDON .- Births and Deaths Registered in the FIFTH Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
TOTAL Births  Males Females .	2651	2684	2925	2775	2750	2587	2806	2800	2665	2688	2980·3	2662
	1800	1360	1467	1389	1375	1306	1414	1438	1339	1371	1500·2	1327
	1351	1324	1458	1387	1875	1281	1392	1362	1326	1317	1480·1	1335
Total Deaths  Males Females .	1821	3376	1926	2023	1643	1595	1592	1783	1485	1894	2086·9	1572
	917	1605	986	988	822	826	812	8 <b>77</b>	784	958	1038·6	796
	904	1771	940	1035	821	769	780	906	751	936	1048·3	776

<sup>\*</sup>The numbers in this column are the average weekly numbers in the fifth weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population.

S. DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LONDON.—Bu	KIHS,	DEA	1110, 4	inu in	LEIEC	MOLO	GI III	the s	3000				
1		Nov. 1	Nov. 24.	Dec.	Dec. 8.	Dec. 15.	Dec. 22.	Dec. 29.	Jan. 5.	Jan. 12.	Jan. 19.	Jan. 26.	Feb.
TOTAL Births 2	770 2	2606	2722	2367	2644	2291	2655	1876	2855	2668	2837	2599	2662
Total Deaths 1	520	1619	1409	1352	1461	1455	1802	1641	1784	2075	1769	1620	1572
Ages at 30-40 ,	769 186 227 288 50	825 179 284 260 71	724 167 212 257 49	701 164 217 223 47	765 177 243 228 48	720 178 247 251 59	888 197 286 356 75	779 173 277 335 77	825 204 308 366 81	850 218 393 506 118	776 197 288 428 80	709 162 280 394 75	715 158 270 339 90
Under 1 year - 1-5 5-20	400 281 88	377 332 116	342 292 90	327 288 86	375 296 <b>94</b>	307 314 99	390 375 123	345 341 93	372 338 115	373 370 107	373 315 88	325 281 103	370 250 <b>95</b>
Deaths from Small-pox  " Measles  " Scarlet fever  " Diphtheria  " Whooping-cough  " Typhus  " Enteric fever  " SimpleConta fever  " Diarrhoa and  Dysentery  " Cholera  " all the above- mentioned Diseases	109 18 34 15 14 - 18 -	124 31 44 17 - 15 - 16 - 247	133 20 41 19 1 15 1 18 	141 24 34 20 - 11 1 13 1 245	139 30 35 13 1 12 - 19 -	154 177 39 14 - 18 - 11 -	184 25 39 25 - 12 - 16 - 301	147 20 34 28 - 8 - 14 -	143 12 33 32 - 14 1 11 -	176 17 21 37 -10 1 12 1 275	121 19 38 36 -7 - 11 -	83 20 33 24 10 1 24 -	71 11 38 38 10 1 13 -
", ", Dis. of Respira-} tory System } ", "Phthisis - ", Dis. of Circula-} tory System }  Violent Deaths - Inquest Cases Deaths in Public Institutions	373 126 133 50 110 346	374 152 108 60 117 371	287 132 105 43 105 311	258 136 96 54 103 311	277 144 101 62 120 302	86	440 153 127 81 154 395	412 152 130 52 107 335	484 154 160 61 132 360	652 187 195 58 143 398	492 136 155 63 121 386	456 152 141 50 102 401	410 138 142 55 104 382
TEMPERATURE OF THE AIR Mean Mean of Highest readings - Mean of Lowest readings -	42·1 47·0 37·7	50·5 55·4 45·2	53.4	49.6	54.0	38.8	36.0	47·3 36·6	36.1	39.7	41·0 34·0	43·3 33·6	
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	86 0·20 12·5	1	81 0·11 6·2	89 1·77 6·0	87 0·1' 11·2				93	98 0.49 2.7	87 0·62 1·5	93 0·15 5·3	13.0

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., L.D., Plymouth R. C. Cann Lippincott, Esq., Bristol; E. Smpson, Esq., Wrottesley, Wolverhampton Henry Tomkins, Esq., M.D., Leicester; Arthur Erown, Esq. and B. A. Whitelegge, Esq., M.D., Voltingham: J. Hartuup, Esq., F.R.A.S., Liverpool H.O., Filkington, Esq., M.C.S., Preston; J. Mei andsbroough, Esq., R.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull: A. E. Harris Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different CAUSES in the

LABLE 3. DO.					F	FTI	t W	eel	k of	the Year 1889.									
	the	3	In	the day, 2	Wee 2nd I	k en Febri	ding	1889			the	s	atur	n the	Wee 2nd F	et er	iding pary	1883.	
	is for the			eaths		Person					es for		De	eaths th	of Pe		as of		
	ted Averages to Veeks of the 10 1 1879-88.*		T	Under	1	40.	r 60.	r 80°	апа	CAUSES OF DEATH.	ed Averages for the ceks of the 10 years 1879-88.*		U	Jnder 20.		er 40.	er 60.	Br 8(),	Bud
CAUSES OF DEATH.	eeks 187	GEB.	-	20.		under	under	under	Years al	125	Veek	AGES.	. 1	-	-	under	nader	und	745
	Corrected oth Week	ALL AG	0-1.	1-0.	5-20.	20 and	to and	60 and	1 5		Corrected 5th Week	ALL A	0-1.	1-6.	5-20.	20 and	40 and		NA X OF
2411252		1572	1 1	1 1	1	1	1	1	9 90	1 Orang of									
ALL GAUSES	2086.9	1012	1	200		-	-	-	-	Diseases of Organs of Special Sense †}	1.8	4	1	1	-	_	1	1	-
Small- pox Vaccinated - Unvaccinated - No Statement	}16·9	-	-	-	-	-	-	-	-	Diseases of Circulatory System }	143.9	112	1	1	11	18	49	53	9
Measles	31.1	71 11	12	56	2	1.	-	-	-	Croup	14.9	7 278	67	6 39	1 8	4	35	99	31
Scariet Fever	33 7 1.3	-	-	-	-	-	-	-	-	Pneumonia	130.0	278 85 4	21	18	6	9	14 l	15	2
Typhus Relapsing Fever t	0.5	-	-	-	-	-	-	-	-	1 Other Diseases of Respi- \	53.8	36	3	4	-	1	15	9	4
Influenza	0.2	1 28	17	- 00	1	-		1	-	ratory System 5							-	-	
Whooping-cough	113.9	38 38	17	20	14	2		-	-	Dentition t	14.9	11	6	5	-	-	-	-	-
Diphtheria Simple Continued and )	1'9	1				1		1		Quinsy, Sore Throat † -	6.9	7 9	2	ī	-	1	1 7	2	-
Ill-defined Fever - )	15.8	10			5	3	. 2	-		Pecitonitis Diseases of Liver	28.9	21	2	-	-	1	10	8	-
Enteric Fever	12.8	10	-	-	-	-	-	-		Other Diseases of Digestive System -	30.7	26	4	-	2	3	7	10	-
Cholera	15.4	13	8	1	-	-	-	3					-			-			-
Remittent Fevert	0.2	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless	1.8	3	-	-	1	-	1	1,	-
Hydrophobia	0.0			-						Glands †)						_			_
Cowpox and Effects of )	0.0									Diseases of Urinary \	42.2	83	2	1	2	7	4	13	4
Vaccination † )	11.3	11	5	3		2	1			System}						_			
Venereal Affections - Erysipelas	5'2	4	3	-	-	-	1 1	1-	-	( Competing)		,							
Pyzmia and Septiczmia †	8.2	5	2	-	1	1	1	-	-	Diseases of Generative	5.9	<b>5</b> 2	-	. "	-	2	1 -		
Puerperal Fever	8 1	3	1		-	8		-		Accidents of Childbirth -	4.6	-	-	-	-	-	-	-	-
Other Zymotic Diseases †		2	-	-	-	-		-	-	Di-eases of Locomotive } System † }	7.9	8		1	2	3	-	-	-
Thrush	1.9	2	2			-													
Worms and other Para- sitical Diseases}	0.8	-	-	-	-		-	-		Diseases of Integumen- tary System}	6.7	3	1	-		-	1	1	-
Starvation, Want of	1.7	1	1	-	-		-	1	1	The second secon									
Breast-milk †	3.6	6	-	-	-	2	3	1	1	VIOLENT DEATHS.\$									
			i		1	1		17	17	Accident.) Fracture and Contusion	22.8	18	-	-	3	2	8	9	1
Rheumatic Fever. \\ Rheumatism of Heart† \}	11.3	10	-	-	4	4	2	-	-   -	Gunshot Wound Cut, Stab	0.1	-	1:	-	-	-	-		-
Rheumatism † - ~	3 8	1	-	-	-	1	-	-		Burn and Scald	9.4	7 2	-	5	1	2	1 -	-	-
Gout	5.8	3	-	-	-	1	1	2	2 -	Drowning	5.2	11	10	ī	2	1	-	-	-
Rickets †	2.0	49	2		1	5	25	17	7 1	Suffocation	2.8	i	1	-	-	-		-	-
Cancer Tabes Mesenterica -	22'6	21	18	5			1		- 1		-		i	-	-				
Tubercular Meningitis -	27.4	83	8	3   17	8	-	1 -	-   -		(Homicide.)	247						_		
Phthisis	195'9	138	17	4	14	61	49			Murder & Manslaughter	2.7					_			
Scrofula, Tuberculosis -		15	7	5		1	1	2											
Other Constitutional Diseases †		- 4	1			- 2		1	1 -	(SUICIDE.) Gunshot Wound Cut, Stab		3	-	-	-	-	2	1	-
Premature Birth	. 88*3	51	51	-	1		4			Poison	1°2	1	-	-	-	ī	-	-	-
Atelectasis †	2.6	1	1	1	1	-	1		-   -	Hanging		4 3	1 -		1	1 2	1		-
Congenital Malforma-	8.7	9	9	-	7				-	Otherwise			!-	1	-	-		-	-
	76.1	62		-		-   -			- -	(EXECUTION.)									
Apoplexy	- 49.4	43	_					-	22 2	11	0.0		1	-	_				-
Epilepsy	- 8.0		_	9 7		2 1	3	2 2	2 -	11	2012	45	42	2 2			1	-	-
Other Diseases of Brain and Nervous System	110:7					5 8	3 13	3 2	21 4	OTHER CAUSES † -	- 69°2	10	-				1		
and Nervous System	\$ }	1	1					1		11		-	-				ation		

evilence at inquests is often usualizant to enable, the Coroner to certify whether a violent leath be the result of accident, murder, supplier, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARL during the Wesk and

													du	ring	the	We	ek e	ndi
	1						Ti	ie Di	ATHS	regis	tered	in t	18 W	ek in	elude			
	Enume-			Dus	the o	1				Den	the fi	rom				1	1	1
REGISTRATION	rated		18.	-	60		ī	1.	1	age.	1	1 .	Ι.		I		Puolis	Gata
BUB-DISTRICTS.	Popu-	Вівти	DEATES.	under f Age.	aged & upw	1		Fover.		-Sough		(Or	imple con-	1		Cases	ta Fu	C
	1881.				178 A	-Po	les.	let F	ther	hooping	in in	rie	le co	rhoes	nee.	3 186		
		Total	Total	Infants Year	Persons Years	Small-pox.	Measlos	Searlet	Diphtheria	W DO	Typhus.	Enterie (o	Simple	Diarrhosa	Violence.	nenhuj	Deaths	mon
									-		-	-		-		-	-	-   -
LCNDON	3,815,704		1572	370	429	-	71	11	38	38	-	10	1	13	55	104	H32	1
Wast Districts	905,947	400 578	283 336	74	75 104	-	8	5	6 7	8 7	-	2	1	3	10	21 22	83	2
CENTRAL DISTRICTS	282,238	173	184	22	89	-	9	-	4	1	-	2	-	1	6	10	37	-
EAST DISTRICTS	692,738 1,265,148	516 995	285 533	70 135	67	-	85	3	6 15	19	-	8	-	2 4	9 19	25	84 94	15
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION	_		1,	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-
London																		
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 87880	49 9	31 11	11	8 2		<u>-</u> .	=	=	_	-	-	-,	1	ĩ	1	6	-
Kensington Town Ww - W.M. & C.	190141 48010	67 13	46 6	11	13 4		1 -	-	4	-	-	-	-	1	2 -	3	10	:
St. Peter Hammersmith W.M. St. Paul Hammersmith H W.M. & G.J. Fulham Wew W.M. & C	7599 64340 42900	42 58	2 26 31	8 12	6 9	-	2	1	-	-4	=	ī	-	-	2	2 4	2 12	:
Chelses South HHH C. Chelses North-west WHHHHH. C.	0896 21925	24 18	11 83 9	2 6 4	4 10	=	-		1 -	1	-	1	-	-	1	8	-3 17	:
Chelsea North-east C.  May Fair WW G.J.  Belgrave WHHH C.	32807 80353 59220	32 12 23	16 24	2 5	1 7 8	-	- 8	=	-	-	-	-	-	- 1	- 2	- 3	9	1
St. John Westminster HHH - C. St. Margaret Westminster H - C.	35496 24379	28	11	6	2	-	1 -	-	1	2	-	-	-	-	1 -	3 2 -	5	1
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	29941 16608	8	9	3	5 -	-	1	-	-	-	-	-	-	-	ī	ī	2	-
North Districts.			7.															
All Souls Marylebone HHHH - W.M.  Cavendish Square HHHH W.M.  Pastory Marylebone WH G.J. & W.M.	26759 14391 24809	11 7 13	15 3 6	3	3 - 5	-	=	-	1	-	-	-	-	-	1 -	1	7 3	1
Cavendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christehurch Marylebone HH - W.M. Christehurch Marylebone HH - W.M.	21118 33700	22 29	5 6	2 4	2 2	-	-	-	1 -	-	-	-	-	-	=	=	1	- \
St. John Marylebone H W.M. Hampstead WwwHHHH N.R. & W.M	\$363 <b>8</b> 45452	15	9	2 -	8	-	-	-	-			1	-	1	3	8	4	1
Borant's Park Panence H - w W.M.	89115 27729	14	10 19	8	8 2	-	-	5	-	-	-	=	-	1	2	- 4	-	-
Tottenham-court wHHHH N.R.&W.M. Gray's Ina Lane HHH - N.R. Somers Town H N.R.	80247 84369	16 25	12	1	2 8	-	1	-	1	-	-	-		-	1 1	1 2	16 3 4	-
Somers Town H N.R. Camden Town WH N.R. Kentish Town W N.R.	17811 87487	16 62	20 27	12	12	-	ī	-	ī	8	-	.1	-	-	2 -	8 2	14 5	Ξ.
Upper Holloway WWwH - N.R. lalington South-west HH - N.R. Islington South-east - N.R. Highbury H - N.R.	67946 100976 61895	61 71 89	43 36 19	6 6	19 18 5	=	8	-	ī	3	-	-	-	i	=	1 2	11	-
	52048 22781	20	14	6 2 2	5 4	-	1	-	1	-	-	-	1 -	-	-	1 -	-	:
Stamford Hill E.L. West Hackney H N.R.	9277 87610 76911	8 28	7	-	3	-	-	=	-	=	-	-	-	=	-	=	-	Ē
South Hackney E.L.	76911 8938 <b>3</b>	61 26	40 11	7 5	10 2	-	1	5	-	-	-	-	-	-	1	2 -	15	-
CENTRAL DISTRICTS. St. George Bloomsbury N.R.	16681	4	7	1	3	_	_	_										
St. Giles South WH N.R. St. Giles North N.R.	14864 13837	26	11 6	3	2	-	1	-	-	-	-	-		1	=		8	-
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R.	17508 7515	8	9 2	-	2 2	-	2	-	-	1	-	-	-	- 1	-	1	2	-
St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w. St. Geothe-Martyr HHHHHHH N.R.	8559	7 8	3	- 8	3	-	2	-	3	-	-	-	-	-	-	=	8	- 0
St. Andrew Eastern W N.R.	18671 10706 6533	9	8 7 2	2 -	1 8 1		=	-	-	-	-	-	-	-	-	-	3	-
St. James Clerkenwell - N.R.	17516 19281 14778	14	8	2	2	-	1		-	=	-	=	-	=	=	- 1	=	
Goswell-street N.R.	14778 17506 11541	14 14	6 7 4	1 1	1	=	1 1	-	-		-	-	-	-	=	= }	-	-
Whitecross-street N.R.	18628 9217	20 6	10 8	1 2	3	=	-	-	-	-	-	ī	-		i	ī	ī	-
Holborn Union Workhouse, Mitcham, w.	7468	1	2	-	1	-	-	=	-	-	-	-	-	-	-	=	2	1 1 1
St. Botolph H N.S. & E. l. Cripplegate N.S. & E. l. N.S.	11174 7198	5	2 2	ĩ	8	-	-	-	-	-	-	-	-	-	1	1	-	-
St. Bride W - N.B. N.B. N.B.	5858 8896 13666	4 2	18 8	-	3 -	-	-	-	1	-	-	1	-	-	4	1 :	17	-
Broad Street H N.R.	5652	=	i	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Publis Institutions situated therein, namely: W "Worklouse B-Hospital; L-Lunatis Asylum; w-A Workhouse Establishment receiving inmates from other Districts than that in which it stands see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifts Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vaughall; L. Lambeth; N. R. New River; E.L. East London; and K. the Kent Company.

VER, DIPETHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district turday, the 2nd February, 1889.

							The	DEA	THE 1	registe	red in	the	Weel	k inel	ude			
	Enume-			Deatl	10 84					Death	s fron	1						
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Intants under ! Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or Typhoid) Fever.	sinued Fever.	Dıarrhœa.	Violence.	Inquest Cases.	Deuths in Public institutions.	Uncertified Causes of Death.
EAST DISTRICTS.  olywell Shoreditch - M.R. & E. L. t. Leonard Shoreditch - M.R. oxton New Town & - N.R. oxton Old Town - N.R. aggerston WH - N.R. & E. L.	7376 14967 29937 28036 46275	8 14 85 17 25	7 14 10 17	94 24	2 4 1 3	11111	2 1	11111	1	1	1111	1	1111	11111	11111		2 6 7	11111
ackney-road H	29788 47982 29981 19810	22 49 27 14	20 19 9 3	5 3 1 2	8 3 2 -		2 -	1 -		-	1111	1 1 1 1	1 1 1 1	1111	1111	1 -	8	
pitalfields - E.L. & N.R. dile End New Town W Whitechapel Church H Goodman's Fields - E.L. Vidgate - E.L. R.R. & E.L.	22585 15478 17490 9718 6102	6 10 12 5 8	3 13 25 1 2	1 4 - 1	2 4 5 1 -	11111	1	11111	1 1 1 1 1	1111		2 -	11111	1111	5 -	7 -	11 17 -	11111
t. George's North t. John, St. George East W - E.L.	38747 8410	22	8 7	4 -	5	-	-	-	1	=	-	-	-	-	2	3 -	5	=
hadwell HH - E.L. N.R. Rateliff - E.L. Limehouse - E.L.	10395 16107 32041	8 9 31	8 6 10	1 2	1 1 1		-		2 -	1	111	-		ī	-	11/11	4	
mile End Old Town West - E.L. Mile End Old Town East WwwH- E.L.	87960 67653	88 48	13 23	4 6	6	=	ī	-	1 -	-	-	-	-	-	-	1	7	1
Bow $E, L_0$ Bromley $wwWH E, L_0$ Poplar $WWH E, L_0$	37074 64359 55077	24 46 41	10 88 24	3 10 7	8 6 5	-	1 2		- 2	1 -		-	-	1711	ī	5 2	1 12 4	
SOUTH DISTRICTS.   Christchurch Southwark   WH   L. & S.	15958 21318 26672 59555	12 5 7 21 13 17 40 18	8 3 10 12 7 19 24 7	2 1 2 4 1 9 4 1	3 1 1 2 1 1 11 2		91111	1111111	1	1 2 1	11111111	1111 1111	11111111	1 1 1 2 1 1 1	11111111	1111-	1 - 4 1	1
St. Olave WH S. Leather Market S. & L. St. Mary Magdalen W - S. S. Lames Bermondsey - S. Rotherhithe WH S. & & K.	1 15880	13 11 6 28 25	13 5 10 19 11	3 1 2 8 3	3 4 5 8	11111	1 2 - 1	11111	1 -	1 1 3 -	1 1 1 1	11111	11111		1 -	1 1	11 2 2	1
Waterloo-road lat	15195 16361 19876 39859 45282 35882	15 29 16 38 34 28 36 7	8 4 16 27 19 19 25 6	3 2 3 8 6 5 7 -	3 10 5 4 9 3	1111111	1 2 - 2 -	1		2 57 144 171	1111111	11111111	11111111	11111111	- 2 2 1 1 - 2	28111	-	11111
East Battersea S. West Battersea WwH S. Clapham H S. Wandeworth WHL S. Putney S. Fureatham L.	54675 52587 36380 28004 13235 25553	48 55 19 39 6 20	15 24 13 9 3 6	7 5 3 4 1 2	9 8 2 3 2 2	11111	-		1 -	1	111111	1	111111	1	111111	1	2	2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	59104 71089	1 61 49 47	\$9 26 21	6 3 8	]4 8 4	1111	8	-	-	1 -	11.11		7	2 1	1 - 1 -	1		1 2 -
St. Paul Deptford ww K. St. Nicholas Deptford K. Greenwich West H K. Greenwich East WHH K.	76752 7901 21972 24608	61 4 10 26	22 -6 21	-	2 - 8 8		.   -	.   1			1111	-	117.1		- 2	1	-	1
Eltham $H$ $K$ . Lee $H$ $K$ . Lewisham $WH$ $K$ .	21559 19865	8 28	6 9	1	. 5				-   -	:   :	1 -	1 1 1					. 2	
Charlton H K Woolwich Dockyard K Woolwich Arsenal HH K Plumstead, West H K Plumstead, East W K	10930 17617 19048 14008	8 12 12 11	10	1 2	4			1	-   -		-		-   -		2		1 1	1 -
Metropolitan Asylum Hospitals: Dartford w Winchmore Hill w Plaistow w	= =	=		1			-	-						-			1	=

the contowing Womanous catalogue care to inmates from other Districts than the one in which they stand, and are indicated in the tree Table by we:-

we Table by w:—
Marylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum in Tottennam Court-road sub-district.
Holborn infirmary in Upper Holloway sub-district.
London (uy Workhouse Holborn Hoxton New Town sub-district.

"Hoxton New Town sub-district.

"Mile End Old Town Fastern sub-dist.


Stepney Workhouse in Bromley sub-district.

Poplar a Nispiney Siek Asyjum

Tomanister Union Industrial School in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Intimusiy in Camberwell sub-district.

Metropoutan Asyum District Hospitals in Fulnam; Hampstead, Hackney, Briton, and St. Paul, Deptford sub-districts, and in Dartford,

Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

				Week	endir	ig Sai	turday	y, 2nd	l Feb	ruary	7, 188	9.						
Regis-		Area						3	he Di	ATHS	ragiste	red in	the V	7ook ii	nelude			
ration		Acres,	Enume-			Deat	hs of				Deaths	from						9
District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Fore- shore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public lustitutions.	Uncertired Causes of De th.
LO	VDON-OUTER RING	370,924	950,957	870	370	99	116	-	12	2	7	6	2	5	7	14	42	3
30:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	11 11	9 8	4 8	3 1	-	-	-	-	-	-	1 -	-	-	-	1 -
87:1	Godstone (part of) * -	2754	1235	1	i	-	-		-	-	1	-	-	-	-	-		
38:1	Croydon WwHHL -	20851	101241	74	82	4	14	-	3	-	1	-	-	- 4	1	1	6	
39:1	Mitcham w † Wimbledon HHH -	11697 3220	17982 15950	10 15	1,	2	070 <mark>1</mark> 2	-	_		_		-	-		n est	-	
2	Kingston WHH	8549	36354	21	12	8	4.	-	-	- 4	-	1	-	-	-	-	5	-
3 4	Esher (part of) * - Hampton H	6601 4573	9221 18539	7 5	4 8	2	2	-	-	-	1		-	-	1 ,		-	
40:1	Richmond WH	2272	21802	18	10	3	8		_	-	-	-	-	_	-	1	2	-
2	Mortlake	2941	12831	8	-	-		-	-	-		4	-	-	-	-	-	-
43:1	Bromley (pt. of) * HH	15669	81142	25	6	1	8	-	1	-	-	-		-	-,	-	4	
42:1	Chishrst(pt.of)* WHH	1	15844	10	10	2 1	10		1	-	-				1	1	-	
43:1	Bexley H Dartford (Ww, pts. of)*	18437	24184	18	15	-	-	-	-		-	-	un ,	-	-	-0	-	-
124:1	Sunbury w	11055	11685	10	4	2	1	-	-	-	- 1	-	-	-	-	-	-	-
2	Staines W	13277	12089	8	9	б	3		-	-		-	1	-	-	-	-	
125:1	Hillingdon WHH - Uxbridge	6029	10802 3225	7	5 -		2	-	_			-	-	_	_	-	1 -	-
8	Hayes wHL -	14587	11523	11	7	-	2	-	-	, <b>-</b>	-	-	-	"-	-	-	2	-
126:1	Isleworth WHH -	7008	22727	24	-8	-	-	-	-	-	-	-	-	-	-	1	-	-
3	Twickenham H Brentford HL	2477 4345	12479 27649	7 26	10	4	1 5		_	-	-		-	-	1	-	-	-
4	Chiswick	1340	15975	10	4	-	-	-	-	-		-	-	-	-	1	-	-
107.01	Acton wH	6083	22876	84	9	7	2		~	-	-	3	-	1	-	1		
127:1	Harrow H	13809	12796 8749	7 2	1	-	1	-	-		-	-		-	-	-	-	-
. 8	Willesden	4383	27453	89	-10	8	2	-	-		-	-	-	-	-	-	-	-
107 - 1	Hendon W -	8382	10484	16	3	1	1	-	7	-			-					
137:1	Bushey Watford (W, pt. of)	9331	6621	10	2 -	1 -	1 -	-	_	, _	-	_	-	-		-	-	-
128:1	South Mimms	15399	6391	4	-	-	-	-	-		-	-	-	-	-	-	-	-
. 3	Barnet	5433	10092	8	8	1	1	-	-	-	-	-	-	-	-	-	4	-
195 • 1	Finchley HL	4688 8306	17615	19	7	1	2		-	-	-	-					-	
135:1	Hatfield (part of) * - Hornsey H	3039	583 37078	25	15	3	4		2		1			_	-	1		
139:1	Tottenham H	4642	46456	56	15 25	7	6	-	1	-	2	-	1	-	8	4	2	-
8		7453	23463	23	14	1	6	-	-	-	-	-	-	-		-	4 2	1
8		12653	19104	17	11 2	2 -	5 -	-	1 -	-	_	-	-	_	-	-	-	-
6	Cheshunt	8480	7785	10	8	-	2	-	-	-	-	-	-	-	-	-	-	-
186 : 1	1	1	38606 101053	27	18	7	2	-	-	-	-	2	-	2	1	- 2	-	1 -
3	Leyton WwL	4872	32430	150 87	20	16 2	9	-	8 -	2 -	-	1 -	-	1	-	-	10	-
1			28869	85	12	6	2	-	-	-	1	-	-	-	-	-	-	1
187 : 1		11761	9639	4	6	1 -	3	-	-	-	-	-	-	-	1	1	-	-
189: 1		-	3411		-	1.	-		-				1	-	1.		-	-
	Ilford	8493	7845	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Barking Town	4127	9203	14	6	1-1	1	-	-	1 -	-	-		-	-	-	-	-

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow.—30:2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3. Esher sub-district, except the parish of Esher (pop. 1993); 41:1. Bromley sub-district, except the parish of Calendar and Knockholt (pop. 1818); 41:2. Chigwell sub-district, except the parish of Chelsfield (pop. 947): 135:1, the parish of Notthaw in Hatdeld sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bols (pop. 947): 135:1, the parish of Notthaw in Hatdeld sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bols (pop. 947): 189:1, the parish of Dagenham in Romford sub-district; 42:2, Dartford, 187:2, Wafford, and 187:1, Epping, sub-districts, deaths in Workhouse, belonging to Metropolitan Police District, † Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum; Hospital, Winchmore Hill (see Table 5).

§ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7.-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 2nd February, 1889.

	A			L RATE			The DE	ATH8	regi	stered	in t	he W	eek i	nolud	е	
GREATER	Area in Acres,	Estimated		TALITY 0 living.	DEATHS	Deat	hs of			I	eath	s from	n			Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhea.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
REATER LONDON	448,334	5,642,015	18.0	2.0	1942	469	545	-	83	13	45	44	13	18	62	424
INNER LONDON - OUTER RING -	77,410 370,924	<b>4,</b> 351,738 <b>1,</b> 290,277	18·8 15·0	2·2 1·4	1572 370	370 99	429 116	-	71 12	11 2	38 7	38 6	11 2	13 5	55 7	382 42

NOTE.—The area of Greater London is 443,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal o 700\*522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,539,824 Persons.

							Di	EATHS		PRIN	ES.	ZYMO	
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN Week endin		BIRTHS. Exclusive o	DEATHS. f Stillborn.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
DALOUTTA	433,219	November 2	4			-		-	-	and .	any		_
BOMBAY	773,196	January	8	300	484	27.9	5	. 8	9	2	2	151	78†
MADRAS	398,777	December 2	1	·		-	-	-	-		~	-	~
PARIS	2,260.945	January 2	8	1165	1040	23'9	5	49	4	43*	13	14	48
BRUSSRLS ith 8 Faubourgs.)	462,069	a, 2	6	879	201	22.6	-	7	-	•	4	1	13
AMSTERDAM -	390,016	39 2	6	251	207	26.9	-	18	-	3	6	2	<i>/</i> 4
ROTTERDAM .	197,723	aa . 2	26	144	109	28.2	-	-	- 1		8	~	1
CHN HAGUE -	153,440	50 S	6	109	57	19.3	-	• 1	-	-	-	**,	jes .
COPENHAGES .	307,000	y 🔯 🗓	9	212	95	16.1	-	-	3	2	3	24	5
STOCKHOLM -	221,549	,, ]	19	134	- 86	20.2	-	-	3	5*	1	-	7
DERISTIANIA -	185,600	29 2	26	62	56	21.2	-		1	5		~	
T. PETERSBURG	842,883	" 1	9	- "	: 560	34.7	-	-	10	10	4	19	83
BERLIN	1,470,582	» I	2	1001	600	21.3	-	17	4	20	10	3	30
HAMBURG(State)	550,694	sa	19	376	249	24.2	-	-	1	15*	3	3	15
ORESDEN	264,196		9	149	100	19.7	-	-	_	8*	-	b=	5
BRESLAU	313,451		26	226	135	22.6	-	1		8	2	~	5 17
MUNICH	281,000		19	216	173	32.0	-,	15	4	21* 7	_ 2	4	30
VIENNA	811,434	27	9	519	377	24.5	-	4 2	5	8	1	3	5
PRAGUE	300,828	**	19	-	176 242	30°5 27°8	11	2	3	2		5	20
BUDA-PRSTH -	452,907		9	306	99	32.6	3		_	6*	-	1	1
	158,084	<i>"</i>							1	3	_	81	10
Romm	462,233		8	235	185	24.0	4 3	8	1	7	_	3	19
furin (11 days)	294,826	"	31	242	247 76	27.8 25.9	9	_	, i	2*	_	-	6
VENICE	153,218	January 1	12	103						S*	5	21	106
CAIRO	374,838	"	10	464	879	52.8	-			3* 1	1	10	52
ALEXANDRIA -	231,396	<sub>33</sub> 1	0	285	215	48*5	1						
NEW YORK .	1,548,628	, 1	2		739	24.9	-	24	49	54	9	4	12
BROOKLYN .	814,505	,, 1	12	-	341	22.0	-	5.	9	29	4	10	1
PHILADBLPHIA -	1,040,245	39	12		360	18°1	-		9	2 3	2	2	3
HALTIMORE -	500,343	» I	2		149	15*5		-	1	. 3	4	-	

Including deaths from croup.
 The deaths returned under "Diarrhocal Diseases" include 33 from Cholera,
 Including 4 deaths from Malarial Fever,

Table 9.-METEOROLOGICAL OBSERVATIONS taken at the Roxal Observatory, Greenwich, during the Week ending Saturday, 2nd February, 1889.

								_													
		Ozone.		0.0	2.0	8.0	0.0	0.0	0.5	8.0	0.3	27	of the er, are	ussion er, and eading timum he air	Hygro-	raphic rement	below 1, and	m the	t, show	5 to the	sed to
Rain	collected in a	Gauge whose receiving	5 inches above the Ground.	in. 0.00	10.0	20.0	10.0	90.0	00.0	\$0.0	Sum 0.55	26	vel of the sea; The means of thermometer,	n a disc aromete mean re the max re of th	sher's I	photogital moving 1875.	wo feet Deptford	ons fro	s. seron	applying	to 29.82
-			Departure from Average of 16 Years.	Miles.	- 44	+164	+ 54	+183	+171	+373	Sum +729	25	M. The	educed from a discussion fistor the barometer, and e corrected mean reading eadings of the maximum temperature of the air humidity are deduced humidity are deduced.	by Glai	n of the horizon ending dicates	th of t	nstructi ng Elect	uerate; hine Ins	tood as of the w	creased
1.		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	293	201	391	. 129	210	713	Sum 3092	24	e the mes el. and 3h. P. the wet t	tions ded ling 1873 fith the c of the reac ue of te	nometers	a discussion of the photographic and that of horizontal movement the I years ending 1875. "higher," and i that + indicates "higher," and	d at a der Jattle Ma	under i -registeri	kes Suns	oe unders	3 29th: in
ometers		9	Mean Mean Mot 24 o	1bs. 0.0	1.0	1.3	0.2	67	6.0	2.6	:	23	sea lev P.M.; er, and	corrections of the correction	theri	from a 1868, an for the	spende	farket, n's sel	v. wear	are to latthe	on the
ń Anem		Pressure on the Square Foot.	Least. h	lbs. 1	0.0	0.0	0.0	0.0	0.0	0.0	:	22	uce to n; 3h,	tion of momet momet rected wan da	et bull	prived anding ecords	are su	the l	Campk	tions 19	h. P.M
ced from		Pressu	Great. L	lbs. 1	1.3	7.2	2.0	2.2	2.8	10.5	:	21	to red	pplical he twe he ther he corr he me	emper	years e	hames les of	erk of	a the	bserva from 30	n. by 3
Wind as deduced from Anemometers.	Osler's.	ction.	P.M. G	SSE, & S.		SW.& NNW.	SW. & W.	WSW. & W.	WSW.	W. & WSW.	7.	20	The height of the cistern of the barometer is isy jest above the mean level of the 888; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 90. A.M.; not 000; 30. R.M.; and 30. R.M.; The means of the constraints of the hermometer, and the parameter the dry bulb thermometer, and the wet bulb thermometer, are	perpendings on two and ally values by the application of corrections deduced from a discussion converted into mean daily values by the application of several 1873 for the bacometer, and of the photographic records made during the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry builb thermometer is combined the corrected mean of the readings of the maximum of the dry builb thermometers, forming the mean daily value of the Emperature of the air and minimum, thermometers, forming the mean daily value of the part and minimum, thermometers, forming the mean daily value of the part and minimum, thermometers, forming the mean daily value of the part and minimum, thermometers, forming the mean daily value of the part and minimum thermometers.	(column 8). The mean daily dew point temperature and uckiec of numeral are account from the mean daily values of the dry and wet built thermometers by Glaisher's Hygro-	metrical 1810es. The average temporature of the air is that derived from a discussion of the photographic The average temporature of the appropriate 1848 and that of horizontal movement records made at Greenwich during the 20 years ending 1848 and that of horizontal movement of the air from a discussion of the amounteric records for the 16 years ending 1875.	ter of the T	the surrect are according to the Market, under instructions from the their readings are registered by the Gierk of the Market, under instructions from the Orporation of London.  The record of Electricity is derived from Thomson's self-registering Electrometer. The	symbols employed are: —P. positive; N. neganive; w. weak; m. monterate; s. soroug; and v. variable. The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show	the agreeged of until the interpological observations are to be understood as applying to the the results of all the interpological observations are to be understood as applying to the city day, of the minimizer to minimize the interpological observations are to be understood as a published from an interpolation of the week to 30°46 in.	by noon on the 27th; decreased to 29.65 in. by 3h. P.M. on the 29th; increased to 29.82 in. by
	-	General Direction.					702			<b>A</b>	WSW	-	ern of led to t lly take	ily vali rds ma ending eter is	alues c	ure of ich du	erage.	istered ricity i	.—P. r	or original in the complete co	ecrease
cut. J			A.M.	N. & NNE.	SSW. &	WSW.	SW.	WSW. &	WSW.	W.		19	f the cist seen appliare are usual	mean dai phic reco nty years thermom thermon	The mean n daily va	temperate Greenwa a discuss	"Lower," than the average. The thermometers in the Western Wes	are regi	oyed are	of all the committee of the part	e 27th; de
er Koy	å	Of the Water of the Thames at Deptford.	Low.	89.8	89.5	40.5	40.4	41.1	2.14	42.7	40.1	18	n has har vations	d into notogra he twe y bulb	8). T e mea	verage made a	er," th	adings stion of record	ble.	regate results y, or fr	on th
the Astronomer	AT OTA	of the of the at Der	High-	0 41.0	9.17	42.4	42.0	42.8	43.7	44.2	42.6	17	The he	eread inverte the pl uring t the di	olumn om th	The a	L. Low	heir re corpora	ymbols varia The r	he agg The rivil da	y noor
he Ast	EMFER	Of Radiation.	Lowest on the Grass.	0.13	22.5	29.0	23.3	53.4	42.0	29.4	28.8	16	8	sud of co.	28						-2
toe of t			High- est in Sun's Rays.	73.9	0.08	20.0	¥.90	75.8	67.3	500	7.69	15		afternoon a		gloom:	ght rai	n in aff	ds; sq	ind ; oc	
tender		Degree of Hu- midity	ration equals 100).		6 16	8	06	88	98	22	88	14	KS.	n after		; greaf	sent sli	of rai	fterwar P.M.	rong w	
uperin	tweeni	and Dew Point Temperature.	Least.	0 0	0.0	0.0	0.0	0.0	1.0	10	7.0	00	EMAB	elond i		ternoon	with frequent slight rain;	shower	rinble s	oon; et in ever	
. the S	ence bet	Dew Pomperatu	Great-	0.11	6.0	7.1	0,10	8.4	3 10	14.1	8.1	12	AL B	light	lne.	till af	ng, wit	heavy	ng; va	aftern nd rain	
Under the Superintendence of the Astronomer Koyan.	Differ	and	Mean daily value.	.0 6	0.0	7 O	2 6	0.1	7.0	0.0	10° 4	=	GENERAL REMARKS	s little	oudy;	th rain ards fir	l eveni	tondy;	ll eveni	ine till	
		Of the Dew Point.	Mean daily value.	0 0	0.77	80.0	000			30.2	39.7	101	5	Very fine; a little light cloud in	Generally cloudy; fine.	Overcast with rain till afternoon; great gloom at P.M.; alterwards fine,	Overcast till evening, afterwards fine.	Generally cloudy; heavy shower of rain in after-	Overcast till evening; variable afterwards; squall of wind and rain shortly after 11h. P.M.	Generally fine till afternoon; strong wind; occasional slight snow and rain in evening.	
	3E.		De- parture from Average of	o o		+ +			1	1.5 -	+ 2.8	0		e e	Gene	Over 4 P.M.	Over	Gen noon.	Over of win	Gen	
	TEMPERATUR	lir.	Mean daily value.	-		42.4			_	38.5	43.1	_	Registered Sun above Sunshine, Horizon, in hours, in hours.	∞ ∞	6.8	6.8	0.6	0.6	1.6	9.5	Sum 69.0
	TEMPI	Of the Air.	Daily Range.	0	13.8	9.91			12.3	14.8	19.9		ered Su line, E	4.8	1.8	0.0	0.0	0.1	0.0	5.4	Sum
			Low-	0	6.08	33.2			90	33.0	35.	-	Regist Sunsi	*	-	٥	0	pet .	•	10	02"
			High.	- 1						9.92	7.67	-	Y. on of				under		-		
	BARO-	Mean	rected and red gove to \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20	heft).	30.440			29.720	29.690	29.517	688.06	000	ELECTRICITY. (For explanation of				Instrument adjustment.		ı		
		Phases	of the Moon.		:	Ferigee.	Dec. S.	: !	New.	: :		:	ELE (For exemple				Instr				
and a			e e	RX.	27			<u></u>	31   RY.	- 67	-	1	01.	27	. 58	8	0g <b>≭</b>	. 31	RY.	63	_
		1889.	Month and Day.	JANDARY	SUE.	Mox.	TOES.	WED.	TRUBBUARY.   31	FRI	Market	MEANS	DATE.	SUNDAY	MONDAY	TUBBRAY	WEDWEEDAY	TRUBADAY	FREBUARY FRIDAY	SATUEDAY	

#### OFFICIAL COPY.

## WEEKLY RETURN ....

OF

# BIRTHS AND DEATHS IN LONDON

AND IN

#### TWENTY-SEVEN OTHER GREAT TOWNS.

## By Authority of the Registrar General.

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WEEK ENDING SATURDAY, FEBRUARY 9.

Price 11d.

General Register Office, Somerset House, 11th February, 1889.

#### TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19·1 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

		Weeks	ending			v		Weeks	ending	3
Towns.	Jan. 19.	Jan. 26.	Feb.	Feb. 9.	Towns.		Jan. 19.	Jan. 26.	Feb. 2.	Feb.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull -	21·9 34·9 20·5 16·6 16·3 22·5 33·8 15·9 26·4 23·6	24·9 27·1 19·6 15·8 17·1 18·2 24·5 12·2 23·8 20·2	18·7 33·6 20·0 16·9 16·7 19·1 23·1 20·1 19·3 20·2	32·3 20·0 17·1 11·1 19·1 20·8 21·2	Liverpool - London - Manchester Newcastle-on-Tyr Norwich - Nottingham Oldham - Plymouth -	- ne*	21·2 26·9 20·4 20·4 16·2 28·2 24·0 20·7 24·5 19·6	19·4 26·9 21·7 15·5 18·9 25·7 23·3 15·9 28·0 23·8	20.9 18.8 25.5 24.0 28.7 20.0 22.7 14.7 14.4 22.5 23.4 20.9	17.5 26.4 24.0 16.0 17.6 23.1 28.0 14.0 26.0 20.5
Leeds - Leicester* -		18·1 19·8		16·3 13·2	Sunderland Wolverhampton	-	21.0	20.2	19·4 24·0	17.9

The highest annual death-rates, measured by last week's mortality, were:—from measles, 2·0 in Birkenhead, 2·4 in Sheffield, 2·5 in Bristol, 2·8 in Huddersfield, 3·1 in Salford, 4·0 in Oldham, and 4·7 in Blackburn; from scarlet fever, 1·0 in Newcastle-upon-Tyne, 1·1 in Salford, and 1·7 in Blackburn; and from whooping-cough, 1·2 in Leeds, 1·3 in Brighton, 1·5 in Nottingham, and 2·0 in Birkenhead and in Preston. The death-rate from "fever," did not reach 1·0 in any of the twenty-eight towns. The 51 deaths from diphtheria in these towns included 24 in London, 9 in Manchester, 2 in Salford, 2 in Preston, 2 in Plymouth, 2 in Bristol, and 2 in Sunderland. No death from small-pox was registered in any of the twenty-eight great towns.

LONDON.

In London 2772 births and 1460 deaths were registered. Allowing for increase of population, the births were 258, and the deaths 557, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the four preceding weeks from 24.9 to 18.8, further fell last week to 17.5. During the first six weeks of the current quarter the death-rate averaged 20.5 per 1000, and was 3.5 below the mean rate in the corresponding periods of the ten years 1879-88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated and those for Newcastle-upon-Tyne and Cardiff over-stated.

The 1460 deaths included 56 from measles, 12 from scarlet fever, 24 from diphtheria, 33 from whooping-cough, 5 from enteric fever, 18 from diarrhoa and dysentery, and not one from small-pox, typhos, ill-defined forms of continued fever, or cholera; thus, 148 deaths were referred to these diseases, being 87 below the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 15. Only one small-pox patient was under treatment at the end of the week in the Metropolitan Asylum Hospitals, and not one in the Highgate Small pox Hospital. The fatal cases of measles, which had declined in the four preceding weeks from 176 to 71, further fell last week to 56, but exceeded the corrected average by 30; 7 belonged to Islington, 5 to Hackney, 10 to Lambeth, and 7 to Camberwell sanitary areas. The 12 deaths from scarlet fever exceeded the number in the previous week by one, but were 19 below the corrected average; 3 belonged to Bethnal Green sanitary area. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 663 searlet fever patients, against numbers ranging in the twelve preceding weeks from 980 to 672; 52 cases were admitted during the week, against numbers increasing in the four previous weeks from 41 to 65. The fatal cases of diphtheria, which had been 38, 33, and 38 in the three preceding weeks, declined last week to 24, but exceeded the corrected average by 4; 3 belonged to Kensington, 6 to Lumbeth (including 2 at 181, Camberwell New Road), and 2 to Battersea sanitary areas. The fatal cases of whooping-cough, which had been 24 and 38 in the two previous weeks, declined again last week to 33, and were 78 below the corrected average; 6 belonged to Fulham, 2 to Strand, 3 to Bermondsey, 4 to Camberwell, and 3 to Greenwich sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 24 and 13 in the two previous week, rose again last week to 18, and exceeded the corrected average by 3.

The deaths referred to enteric fever, which had been 10 in each of the two previous weeks, declined last week to 5, and were 10 below the corrected average. The Metropolitan Asylum Hospitals contained 62 cases of enteric fever, and one of typhus on Saturday last; 5 cases of enteric fever were admitted during the

week, against 8, 5, and 1 in the three preceding weeks.

The death of a general servant, aged 19 years, from hydrophobia due to the bite of a dog on 2nd of January last, occurred in the Middlesex Hospital on 4th instant. The deaths referred to diseases of the respiratory organs, which had declined in the four preceding weeks from 652 to 409, further declined last week to 340,

and were 273 below the corrected average.

Different forms of violence caused 49 deaths; 37 were the result of negligence or accident, among which were 13 from fractures and contusions, 7 from burns and scalds, 1 from drowning, 2 from poison, and 14 of infants under one year of age from suffocation. The 13 deaths from fractures and contusions were thus caused:

—4 (1 intoxicated) by accidents from horses and vehicles in the street; 1 by fall in street; 1 injured by bag of sugar; 1 by blow on head; 1 by fall across bar of tanpits; 2 (1 intoxicated) by fall down stairs; 2 by fall the nature of which was not stated; and 1 by fracture the cause of which was not stated. An inquest was held in each of these 13 cases except the last. Ten cases of suicide were registered, the corrected average being 6.

GREATER LONDON.

In Greater London 3566 births and 1837 deaths were registered, corresponding to annual rates of 33.0 and 17.0 per 1000 of the estimated population. In the Outer Ring 18 deaths from measles, 8 from whooping-cough, and 5 from diphtheria were registered. Of the 18 fatal cases of measles, 6 occurred in Croydon, 2 in Edmonton, 2 in West Ham, and 2 in Chigwell sub-districts.

Professor Frankland's report upon the quality of the water supplied by the various companies to the Metropolitan area during January will be found on pages 55-56.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.56 ins.; the highest reading was 30.10 ins. on Tuesday morning, and the lowest 28.95 ins. on Sunday evening. The mean temperature of the air was 35.6, and 4.7 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed a slight excess on Wednesday, but was below the average on each of the other days of the week; the coldest days

were Monday, Tuesday, and Saturday. The direction of the wind was variable, and the horizontal movement of the air averaged 20·2 miles per hour, which was 6·1 miles above the average in the corresponding weeks of 16 years. Rain fell on six days of the week, to the aggregate amount of 0·80 of an inch. The duration of registered bright sunshine in the week was 7·4 hours, against 13.6 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of JANUARY 1889; according to their returns 156,769,477 gallons or 712,276 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 210 gallons (95.4 decalitres), being rather less than a ton by weight, to each house, and (assuming 7.8 persons to each house) 26.9 gallons (12.2 decalitres) to each person, against 27.2 gallons during January 1888.

,		Houses, &c. ied in	Average daily S in Gal	ipply of Water lons.
COMPANIES.	JANUARY. 1888.	JANUARY. 1889.	JANUARY.	JANUARY. 1889.
TOTAL SUPPLY	733:734	747,067	155,792,903	156,769,477
From Thames	353.559 80,175	359,910 387,157	77,351,638 78,441,265	76,854,783 79,914,694
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	 34,435 69,959 108,801 53,837 86,527	34,806 71,195 110,443 55,138 88,388	9,331,642 13,962,116 22,928,974 15,131,906 15,997,000	8,814,086 14,087,905 21,204,798 16,456,594 16,291,400
LEA AND OTHER SOURCES.  New River East London Kent.	149.579 160,357 70,239	151 933 163.636 71,588	28,048,000 39,299,516 11,093,749	29,057.000 39.569 152 11,288,542

Note.—The Return for January 1889, as compared with that for the corresponding month of 1888, shows an increase of 13,333 houses, and of 976,574 gallons of water supplied daily.

# ANALYSIS OF METROPOLITAN WATER SUPPLY DURING JANUARY.

Water-analysis Laboratory, The Yews, Reigate, 31st January, 1889.

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of January.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of the water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.5, Colne Valley 1.3, New River 1.5, Tottenham 1.6, East London 3.0, Lambeth 4.2, Southwark 5.0, Chelsea and West Middlesex 5.1, and Grand Junction, 5.2.

The Thames water sent out by the Chelsea, Southwark, and Grand Junction Companies again contained an increased quantity of organic matter even beyond the somewhat large proportion present in the December samples. The Lambeth Company's water, however, exhibited an improvement in this respect, whilst the abnormally large amount found in the West Middlesex Company's water last month has been markedly reduced. The foul condition of the river has taxed the filters of the Companies to the utmost; nevertheless the Chelsea, West Middlesex, and Lambeth Companies delivered water which was clear and transparent; but the Southwark Company's water was slightly turbid and opalescent, and that delivered by the Grand Junction Company turbid and opalescent. The organic matter in the Thames waters was less nitrogenous than in December.

The water chiefly derived from the River Lea, and delivered by the New River and East London Companies, had greatly improved in quality since December, and contained a much smaller amount of organic matter than any of the Thames derived waters. It was efficiently filtered by both Companies, and the New River Company's supply was, in respect of organic purity,

about equal to some of the deep well waters.

The deep-well waters of the Kent and Coine Valley Companies and of the Tottenham Local Roard of Health contained, as usual, but a very small proportion of organic matter. The Coine Valley Company's water was softened by treatment with lime before delivery, and was thus rendered suitable for all domestic purposes.  $\mathbf{F}^{2}$ 

Seen through a stratum two feet deep, the waters presented the following appearances:—Kent, Colne Valley, and New River, clear and colourless; Tottenham, colourless and slightly turbid, with particles of iron rust which quickly subsided leaving the water clear; Lambeth and East London, clear and very pale yellow; Chelsca and West Middlesex, clear and pale yellow; Southwark slightly turbid, opalescent, and pale yellow; Grand Junction turbid, opalescent, and brownish yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that town was "greenish yellow slightly turbid, and the organic matter, though rather high, was

slightly below the average."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter."

The Registrar General, &c. &c.

I am, &c. E. FBANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

OR	COMPANIES LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES.	January 1st, (Cab Rank, Horse Guards, Whitehall.	7.5	32.50	*256	*045	0	*280	*325	1.8	22.1
	West Middlesex -	{ January 1st, { Cab Rank, Portland-road. }	7.3	32.20	256	*042	0	•273	*315	1.8	21.5
	Southwark	January 1st, Cab Rank, Bricklayers Arms, Old Kent-road.	7.4	32.24	*243	.051	0	*235	•286	1.7	22.1
Inner Circle.	Grand Junction -	January 1st, Cab Rank, Uxbridge-road, near Marble Arch.	6.2	31.76	*253	*055	0	*286	*341	1.7	21.3
Inner	Lambeth	January 1st, Cab Rank, St. George's- road, Southwark.	7.8	33.92	.503	*047	9	•282	•329	1.8	22.4
	LEA. New River	January 1st, Cab Rank, Tottenham Court-road.	7:2	33.20	•069	.020	0	*331	*351	1.7	24.5
	East London -	{ January 1st, Fire Brigade Station, Commercial-road, E. }	6.8	39.64	•151	*026	0	297	*323	2.1	26.0
le.	DEEP WELLS.	January 1st, Mill Lane, Deptford.	12.7	44.40	.024	.007	0	. 552	•559	2.6	31.5
Circle	Colne Valley	{ January 4th, Bushey. }	-	18:40	.057	.018	.017	*454	*486	2.0	6.7
Outer	Tottenham	{ December 29th. Tottenham. }		43.32	•080	.014	.030	•416	*455	3:0	25.1
	poration of Birming-	January 1st, 10, Hurst-street,	6.7	30.62	180	*031	*002	*286	*318	1.9	16.3
Cor	poration of Glasgowt-	{ January 15th, Loch Katrine Water. }	5.0	2.90	*247	.071	0	*004	.075	0.7	*95
	Column 1.	2.	3.	4.	5.	6.	7.	- 8.	9.	10.	11.

<sup>•</sup> Analysed by Dr. Alfred Hill, F.I.C., Medical Officer of Health and Analyst to the Borough. † Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 1st January at the Horse Guards cab-rank, had a temperature of 7° 5 C.; 100,000 lbs. of it contained 32 50 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained 256 lb. of carbon and 045 lb. of nitrogen. The above quantity of water also contained no animonia, and 280 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 325 lb. The above weight of water also contained 1 8 lbs. of chlorine; and 22 1 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same

operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

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		CITIES	AND BOROUGHS,	Cols.	- 28 Towns.	LONDON.	BRIGHTON. PORTSMOUTH.	NORWICH.	PLYMOUTH.	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	LIVEDOOM	ROLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURN.	HUDDERSFIRED.	HALIFAX.	BRADFORD.	LEEDS.	DHEFFIELD	SHADERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGE.	GLABGOW.	DUBLIN.
	ALE.		In Centi-	24.	1.50	2.03	F 1-3	1	1.65	1.38	1	ı	1.96	ı	68.6			4		1 1	ı	1	1.78	1		1.19	66.0	1	0.46	68.0	99.0
	RAINFALL		.sədənI nl	23.	0.28	0.80	0.40	1	0.65	84.0	•	1	24.0	ı	76.0	1	1	ı	1		•	1	0.40	ı	0000	24.0	0.39	1	0.18	0.35	0.56
=	AIR.	in.	Centigrade.	22.	3.44	2.00	60.7	1	19.4	2.39	ı	1	1.78	1	5000	,	1	1	1	1 1	1	1	2.12	1	1 .00	1.88	11.6	ı	2.55	3.33	3.26
	OF THE	Mean.	·liednerda?	21.	36.4	35.6	0.00	1	40.3	86.3	ı	1	35.2	1	38.0	1	1	ı	ı	1	1	1	86.9	1	-	0 E0		1	0.98		38.4
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0	TEMPERATURE OF THE AIR	*31	Fahrenheit Lowes	19.	2 0.19		20	1	0.19		1	1	79.9	1	47.0		1	1	1			1	46.3	3		0.04			3 4.4		_
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nnnsl	per 1006,	to the Week's Death	From All Causes.	17.	1.61	9.41	14.0	0.91	28.0	1.67	18.2	13.2	9.41	2.1.2	6.02		. ₹.97			22.22			17.1			17.0	_		19.4		
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SIBTH		Deaths	Infants under loras V I Sge.	4.	821	324	9 =	9	10	24	46	12	18	00	22	2 9	7	1 81	11	19	91	10	12	27	35	17	10	13	M. P.	2 2	22
TABLE 1B	during	ending		80	3491	1460	38	29	42	25 25 25	163	88	80	40	41	717	10.	98	63	75	22	32 25	114	112	141	19	40	4 5	00	273	166
TABL	Registered during	the Week ending	BIRTES, DEATES.	2,	5888	2772	29	46	09	114	980	8 8	118	48	67	242	3,46	158	72	80	80 80	88	110	199	187	118	18	95	117	351	102
			to the middle of the Year 18k9.	1.	9,555,406	4,351,738	121,807	141,253	78,225	229,361	250 PAP	150.520	287.812	68,529	102,541	114 670	010,010	284.283	142,405	121,275	104,194	81,080	235,056	357,449	327,227	208,017	184,193	112,712	000 996	528,144	353,082
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			CHIES AND BORUUGHS.	2	OR TOWKS	CONDON	BRIGHTON	PORTEMOUTH	NORWICH .	BRISTOL	WOLVERHAMFIUM	BIRMINGHAM	LEICEBTEE	THERE	BIRKENHEAD	LIVERPOOL .	LOLTON -	DIANCHESTER	OLDHAM .	BLACKBURN .	PREBTON .	HUDDERSFIELD HALIFAK -	BRADRORD.	LEEDS .	SHERFIELD .	Horr .	SUNDERLAND	NEWCASTLE.	The sure of the state of the st	GLABGOW -	DUBLIN .

TABLE 2. LONDON .- Births and Deaths Registered in the SIXTH Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1858	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females .	2667	2701	2819	2951	2888	2714	2913	2739	2563	2830	3029·9	2772
	1300	1369	1430	1535	1514	1417	1473	1363	1315	1383	1537·5	1483
	1367	1332	1389	1416	1374	1297	1440	1376	1248	1447	1492·4	1389
TOTAL Deaths  Males Females .	1839	2495	1633	2632	1631	1499	1525	1983	1418	1838	2016·6	1460
	893	1188	829	1324	817	809	766	972	697	914	1004·2	721
	946	1307	804	1308	814	690	759	1011	721	924	1012·4	739

<sup>•</sup> The numbers in this column are the average weekly numbers in the sixth weeks of the ten years 1879-88, raised by 9 046 per cent. for increase of population.

NDON -RIPTHS DEATHS, and METEOROLOGY in the Last THIRTEEN WEERS.

TABLE	3. LONDON.	E	SIRTH	s, DE	THS,	and I	METEC	OKOLO	GY III	tire	Last	THIKI	EER	** 151511	
	•		Nov. 17.	Nov. 24.	Dec.	Dec. 8.	Dec. 15.	Dec. 22.	Dec. 29.	Jan. 5.	Jan. 12.	Jan. 19.	Jan. 26.	Feb.	Feb.
TOTAL	Births -	-	2606	2722	2367	2644	2291	2655	1876	2855	2668	2837	2599	2662	2772
TOTAL	Deaths -	-	1619	1409	1352	1461	1455	1802	1641	1784	2075	1769	1620	1570	1460
Ages at Death	0-20 years 20-40 ,. 40-60 ,, 60-80 ,, at 80 years & upw	rds.	825 179 284 260 71	724 167 212 257 49	701 164 217 223 47	765 177 243 228 48	720 178 247 251 59	888 197 286 356 75	779 173 277 335 77	825 204 308 366 81	850 218 383 506 118	776 197 288 428 80	709 162 280 394 75	714 158 270 338 90	650 181 243 313 73
92	Under 1 year 1-5 5-20		377 332 116	342 292 90	327 288 86	375 296 94	307 314 99	390 375 123	345 341 93	372 338 115	373 370 107	373 315 88	\$25 281 103	370 250 94	324 233 93
99 93 93 93 91 22 24 35	mom Small-pox Measles Scarlet fever Diphtheria Whooping-cot Typhus Enteric fever SimpleContafo	ever	1	138 20 41 19 1 15 1	141 24 34 20 - 11	139 30 35 13 1 12	154 17 89 14 -	184 25 39 25 - 12	147 20 34 28 - 8	143 12 33 32 - 14 1	176 17 21 37 - 10	121 19 38 36 - 7	88 20 33 24 - 10 1	71 11 88 38 - 10	56 12 24 33
"	Dysentery ,, Cholera -	-}	16	18	13	19	11	16	14	11	12	11 -	24	13	18
,,	" all the above		247	248	245	249	253	301	251	246	275	232	195	182	148
99° 91 99	,, Dis. of Respire tory Syste ,, Phthisis - ,, Dis. of Circul tory Syste	m ∫ a- (	374 152 108	287 132 105	258 136 96	277 144 101	330 1 60 109	440 153 127	412 152 130	484 154 160	652 187 195	492 136 155	456 152 141	409 138 142	340 140 132
Violent Inquest Deaths i	Deaths Cases n Public Institutio	ns	60 117 371	43 105 311	54 103 311	62 120 302	40 86 358	81 154 895	52 107 335	61 132 360	58 143 398	63 121 386	50 102 401	55 104 382	49 91 314
Mean	of Highest reading	- (S -	50°5 55°4 45°2	53.4	49.6	54.0		40·4 44·4 36·0	42.5 47.3 36.6	31°8 36°1 27°1	35·8 39·7 30·9	41·0 34·0	38·5 43·3 33·6	43°1 49°4 36°5	35.6 41.9 30.2
Rain-fal	ty of the Air - l in inches - red Sunshine (in ho	urs)	89	81 0·11 6·2	89 1·77 6·0	87 0·17 11·5	93 0·00 <b>3</b> ·8	94 0·13 6·2	90 0·66 4·6	93 0·00 3·2	98 0·49 2·7	87 0·62 1·5	93 0·15 5·3	88 0·22 13·0	81 0·80 7·4

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F.E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham: J. Hartnup, Esq., F.R.A.S., Liverpool: H. O. Pilkington, Esq., M.R.C.S., Preston; J. Mcl. andsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Bunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causas in the Sixth Week of the Year 1889.

1			٠.		Sı	XTH	W	eek	of	the Year 1889.									
	or the years	3	In	the lay, S	Wee	k en Febru	dine ary l	1889			for the years			n the					
			De	aths	of H	erso ges	ns of	-			ges for		De	aths t	of P	ersoi ges	as of		
CAUSES OF DEATH.	Averages ks of the 10 1879-88.	ì	Ū	nder 20.		er 40.	under 60.	er 80.	8114	CAUSES OF DEATH.	Averages 1 5ks of the 10; 1879-88.*		τ	Jnder 20.		under 40.	er 60.	er 80.	and
	oted	AGES			å	and under	and und	and under	upwards.		Corrected 6th Week	AGES.			20		and under	and under	upwards
* .	Corre 6th	AĻL	0-1.	1-6.	5-20	20 aı	40 au	60,34	og n	1 1 1 1 1 1	Corn	ALL	0-1.	1-6.	5-20.	20 and	40 a.i	60 81	80
ALL GAUSES	2016.6	1460	324	233	93	181	243	313	73	Diseases of Organs of Special Sense †}	1.8	3	2	-	-	-	-	-	1
Small- Vaccinated Unvaccinated	}15.0		-	-	-	-	-	-	-	Diseases of Circulatory	140.2	132	-	4	9	17	43	51	8
(No Statement	)	20	30	-		-		Ŧ					-			-	-		-
Measles	26.4	56 12	10	42	4	-		-		Croup	13.6	9	1.	8	1	-	-	-	-
Searlet Fever	1.4	12	-	9	1	1		_	-	Bronchitis	410 8 128 3	216 92	45 22	32	1 6 1	10	36	81	15
Typhus	0.0								_	Pleurisy	5.6	5	-	-		1	2	-	i
Relapsing Fever †	0.4	_								Other Diseases of Respi- ratory System}	55.0	18	3	5	3	1	1	5	-
Whooping-cough	111.3	- 33	10	22	1		-	_	-					-		-	-		-
Diphtheria	19.7	24	3	10	11				-	Dentition †	18.4	11	8	3	-	-	-	-	-
Simple Continued and	0.9									Quinsy, Sore Throat † -	1.8 7.2	7	2	ī	2	2 -	-	2	-
Ill-defined Fever -	1					-		-		Peritonitis Diseases of Liver	6·0 28·9	11 27	1 2	-	=	6 2	3 12	11	-
Enteric Fever	14.7	5	-	-	1	2	2	-	-	Other Diseases of)	29.2	28	6	3	1	4	2	11	1
Cholera	0.0	-	-	-	-	-		-		Digestive System - }	20 2		1		^	1			-
Diarrhea, Dysentery -	0.0	18	9	5	2	1	-	1		Discourse of Tarreland					_	-		-	
Remittent Fevert	0.0		-	-	-	-	-	-		Diseases of Lymphatic ) System & of Ductless	2.3	3	-	-	2	-	1	-	-
Hydrophobia	0.1	1		-	1		-	-		Glands †)									
Cowpox and Effects of				-		-	-	-	آر	Division				-			-	-	
Vaccination †	0.0	, 1	1	-	-	-	-	-		Diseases of Urinary	43.3	52	-	3	4	8	17	19	1
Venereal Affections -	12.6	6	.5	-	-	-	1	-	-				_				_		_
Erysipelas	9.8	4	-	1	1	-	.1	1	E	Discourage of Commentions									
Pyæmia and Septicæmia †	2.7	2	-		1	1	-	-		Diseases of Generative System	5.9	4	-	H	-	1	2	1	-
Puerperal Fever	9'4	4	-	-	-	4	-	-		Accidents of Childbirth -	5.3	1	-	-	-	1	_	-	-
Other Zymotic Diseases †	1.1	-	-	-	-	-	-	-		Discourse C.T.									
	9:0		,							Diseases of Locomotive	6.4	4	-	-	1	2	-	1	-
Thrush	3.0	1	1	-	-	-	-	-				-				-			
Worms and other Para-}	0.8	-	-	-	-	-	-	-	-	Diseases of Integumen-	7.5	2		1	_	_	_	1	
										tary System 5									
Starvation, Want of Breast-milk † -	1.8	2	2	_			_												
	3.3							_		VIOLENT DEATHS.									
Alcoholism	2.3	5	_	_	_	-	3	2		Accident.)									
Rheumatic Fever.										Fracture and Contusion	21.9	13		2	2	3		4	2
Rheumatic Fever, } Rheumatism of Heart†	10.5	8	1	1	-	-	5	1	-	Gunshot Wound	0.1	-	H	-	-	-	-	-	
Rheumatism †	8.0	1	-	-	_		-	1	-	Cut, Stab Burn and Scald	8.0	7 2	1	3	-	-	ī	2	E
Gout	8.8	7	-	-	-	-	4	2	1	Poison Drowning	5.0	2	1	1	-	ī	-	-	
Rickets †	3.2	5	3	2	-	-	-	-	-	Suffocation	18.9	14	14	-	-	-	-	-	-
Cancer	51.1	39	-	4	-	5	17	16	1	Otherwise	3.1	أتا		-	-	-	-	-	-
Tabes Mesenterica -	26°1	17	7	7	2	1	-	-	-										
Tubercular Meningitis -	30°2	28	8	18	4	1	-	-	-	(Homicide.)									
Phthisis	194'3	140	-	2	12	80	37	9	-	Murder & Manslaughter	1.4	2	2	-	-	-	-	-	-
Scrofula, Tuberculosis -	16.9	20	10	4	8	8	-	-	-	-					-				
Other Constitutional Diseases † }	9.3	8	1	1	-	1	3	2	-	(SUICIDE.)				1					
	-			-			-	-	-	Gunshot Wound Cut, Stab	0.3	2 3	-	-	1	1	1	-	-
Premature Birth	88.9	42	42	-	-	-	-	-	-	Poison	1'0	1	-	-	-	-	2	-	-
Ateleotasis +	810	3	8	-	-	-	-	-	-	Drowning	2.0	1 2	-	-	1	1	-	-	-
Congenital Malforma-}	7.3	6	6							Otherwise	0.7	1	H	-	1	-	- 1	-	-
014			,						00						-				
Old Age	68*4	52		-	-	-	-	24	28	(EXECUTION.)									
Apoplexy	53.8	41			_	2	17	20	2	Hanging	0.0						-	-	-
Epilepsy	9.2	9	-		2	3	17	3	2	Armanna								_	_
Convulsions	58.3	50	43	7	-	_	-	-	-						-				
Other Diseases of Brain	101.2	86			1.	-		28	8	OTHER CAUSES †	62.6	48	43	3	-	1	-	1	-
and Nervous System }	TOT. D	90	9	10	11	7	18	26	8										
6.70L				-	-		-		-							-			

<sup>\*</sup> The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9"046 per cent. for increase o population.

\* As the ten years average could not be correctly experienced the property of for the saven years 1889-88 has been used.

As the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

I Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered profit of the control

I The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, sanglaughter, or suicide. All such cases are classed under "accident or negligence."

Table 5. LONDON.—Population; Bieths; Deaths from all Causes, and from Small-pox, Measles, Scarle T during the Week ending

					_			Davis			and to	a éba	_		nde v	-	· Calo	
							The	DEAT		Death			14 60		1			
	Enume-			Deat			}			-	. 110				-		Publie ns.	Causes
REGISTRATION	Popu-	TH8.	DEATHE.	der	aged 60			Fever.		000		Fev	imple con- tinued Fever.			ABCS.		d Cat
SUB-DISTRICTS.	lation, 1881.	Всвтия			18 BE	xod-	es.	ot Fe	heria	ping	us.	ie (	le con-	rhos	nee.	ost C	be in tituti	rtifie
		Total	Total	Infants	Persons Years	Small-pox.	Measles	Searlet	Diphtheria	W booping-cough	Typhus.	Enterie (or Typhoid) Fever	Simple	Diarrhos.	Violence	Inquest Cases.	Deaths in Institution	Uncertified of Death.
CONTRACTOR STORY VALUE VARIABLE DESCRIPTION OF STREET, VALUE VARIABLE STREET, VALUE VARIABL				-												-		
rondon • • •	3,815,704	2772	1460	324	386	-	56	12	24	33	-		-	18	8	91	314	22
Wast Districts	669,688 905,947	361 630	256 303	56 66	71 80	-	9	1 5	6	9	-	1		8	4	11 14	65 64	3 -
NORTH DISTRICTS	282,288	170	99	16	27	-	4 2	4	1 3	2 2		2	-	2 3	7	10 82	28 76	2
EAST DISTRICTS WORLD	692,738 1,265,148	1041	261 541	60 126	65 143	-	25	2	12	16	-	2	-	7	13	24	81	17
METROPOLITAN ASYLUM HOS-		-			_	-	-	-		-	_	-		-	-	-	-	_
WEST DISTRICTS.						Ţ			1				_		2	2	4	
St. Mary Paddington WHH G.J. a.W.M. St. John Paddington H - G.J.	0,000	29 10	7	2	9		-	-	1	1	-	-	-	2	1	3	3	1
Rensington Town Ww - W.M. & C.	120141 48010	62 14	10	14	34	-	-	-	1	=	-	-	-	1	-	-	1	-
St. l'eter Hammersmith W.M. & G.J.	7599 64340 42900	50 56	20 31	5 11	6 3	-	- 2	1 -	1	6	-	Ξ	-	=	-	Ξ	3 2	-
Fulham 11 1010 C.	0396 24925	12 19	7 18	1 1	3 5	=	ī	-	-	-	-	-	-	-	-	Ξ	12	_
Chelsea North-east	82807 80353	12 7	13	1 4 1	3	-	1 -	-	1	-	_	-	-	-	1	1	9	-
May Fair WW - C.  Belgrave WHHH - C.  St. John Westminster HHH - C.	59220 35496	27 24	22 10	2 4	9	=	2 2 1	-	-	1 -	-	-	=	-	1 -	1	9 - 3	1
St. Margaret Westminster H - C. St. James Westminster WHH N.R. & G.J.	24679 29941	14	10	1	3 7 1	=	-	-	-	1	-	-	1	~	1	1	3 2	-
St. Anne Soho HHHHHHHH - N R. NORTH DISTRICTS.	16608	12	5	-	1	-		-		1	-	-	-					
All Soule Marylebone HIIIH - W.M. Cavendish Square HIHIH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christelureh Marylebone HH - W.M.	26759 14991	15	14	2 -	3	-	-	-	- 1	=	-	-		-	1 -	2	7	=
Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M.	24809 21118 88700	7 32 21	9 5 6	2	3 2 -	-	1	-	=	-	-	-	=	-	-	-	-	-
		15 26	10	1 -	6	1	-	-	-	1 -	-	-	-	_	-	2	3	-
Hampstead WasseHHHH N.R. & W.M. Regent's l'ark Pancras H - W.M. Tottenbam-court wHHHHN.R.&W.M. N.R.		28	10	2 2	3 4	-	3	-	-	-	-	-	1	-	-	1 -	7	=
Gray's Inn Lane Hill	84369	31 20	9	6 2 1	1	-	-	-	-	-	-	=	; =	-	=	=	4 6	=
Camden Town WH N.R. Kentish Town W N.R.	17911 87487	67	17	6 8	6 4	-	7	-	-	-	-	-	-	1	1 -	1 3	20	-
Upper Holloway WWwH - N.R. Islington South-west HH - N.R. Islington South-east - N.R.	67946 100976 61895	87 84	40 29 18	9	5 7 8	=	-	1 1 -	-	1	-	-	1 -	1	ī	1 2	1 -	1
Highbury H N.R.	52048	24 15	16	2	6	1.	1	-	-	-	-	-		-	-	-	-	-
Stamford Hill West Hacknes H	9277	9 21	14 35	1 4 6	1 2 13	=	1 3	3	-	1	-	1 =	1 -	-	1	-	13	-
South lineancy E.L.	76911 39888	66 25	11	S	2	-	-	-	1	-	-	-	1	-	-	-	-	-
CENTRAL DISTRICTS.  St. George Bloomsbury - N.R. St. Giles South WH N.R.	16681	5 16	1 4	-	- 3	1:	-	-	-	-	-	-	-	-	-	-	- 2	-
St. Giles South WH N.R. St. Giles North N.R.	13837	4	7	2	i		2	-	-	-	-	-	-	1	1	1	2	-
St. Martin-in-the-Fields HH N.R. & ( St. Mary-le-Strand H N.F. St. Clement Danes H - N.E. Strand Union Workhouse, Edmonton w	7515 7515 8559	2	2 7	1 2	1 - 2	-	-	-	1	-	-	-	-	=	1 =	1 =	3 3	-
Morter HHHHHH N.	. 1 1867 1	7	8	-	-	١.	-	-	-	-	-	-	-	-	-	1	1	
St. Andrew Eastern "	0.00	1	1 1	1 -	-	-		-	-		-	-	-	-	1	1	2 -	-
St. James Clerkenwell - N. St. James Clerkenwell - N. Pentonville - N. Pentonville - N.	1928 1477	11 11	11 8	1 1	2		1	-	-		-	-		1 -	-	1	-	-
Safron Hill   H   N.	3. 1750 3. 1154 3. 1862	1 9	11 .	5 3 4 2 5 -			-   -	-	-	:   :	-		-	-	1	2		-
		7 9 9		5   1 1   -			1		-	-   -		-	- } -	-	-	-		
Holborn Union Workhouse, Mitcham, t	-la 1117	4 2	.			1 .				-   :						-	1	
Crippiegate . N.	R. 719 R. 534 R. 839	8 5	3   1	2		2				-   :	-   -	- 1			. 2			
St. Seption H  St. Bride W  Allhallows Barking  Broad Street H	R. 1866 R. 568	6 2	4							-	-   -		-   -			-		
0.000				_		-	-		1		-						1	

NOTE.—The Italie letters piaced against the Danies of the sub-districts denote Publis Institutious situated therein, namely: W—Work lowe H—Hospital; L—Lunatic Asylum; w—A Workhouse Establishment receiving immates from other Districts than that in which it stands see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts i—G.J. signific Grand Junction Company; W.M. West Middlesex; C. Cheises; S. Southwark and Vauxhall; L. Lambeth; N. E. New River; E.L. East London and K. the Kent Company.

EVER, DIPBTHFFIA. WHOOPING-COUGH, FEVER, DIARRHEBA, VIOLENCE, &c., registered in each Sub-district

turday, the 9th February, 1889.												icrei				J 25- 65.		101
							The	DE.	ATHS	regist	ered	in the	Wee	k inc	ude			
	Enume-			Deat	to ad:	-				Deat	hs fro	m,				T	1	
REGISTRATION SUB-DISTRICTS,	Popu- lation, 1881.	Total Buarns.	Total DEATHS,	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measier.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enterio (or Typhoid   Fer	Simple con-	Diarrhea.	Violence,	Inquest Cases.	Deaths in Public	Uncertified Causes of Preach.
FAST DISTRICTS.  lojwell Shoreditch - N,R, & E.L.  t. Leonard Shoreditch + LLE, - N,R.  coxton New Town w N,R.  loxton Old Town N,R.  sgerston WH N,R. & E.L.	7376 14967 39937 28036 46275	12 17 25 42	1 8 9 4 14	- 4 2 1 5	- 8 1 8	11111	11111	11111		1	11111	11111	1111	- 1	1 - 2	1 1 1 8	1 2 - 8	11111
ackney-road H E.L. Freen, Bethnal Green WHL* - E.L. burch, Bethnal Green E.L. own, Bethnal Green E.L.	29788 47932 29981 19810	36 39 32 15	10 21 1	2 4 2 2	3 6 2 3	1	1	1 1 -		1111	1111	1111	1111	1111		1	10	
pitalfields E.L. & N.R. file End New Town W Phitechapel Church H Loodman's Fields E.L. ldgate E.L. N.R. & E.L.	22585 15478 17490 9718 6102	21 14 8 2 8	3 12 18 1 6	1 2 1 1	1 4 8 - 2	11111	1.1.1	11111	11111	11111		1111	11111	11111	1	2 1 1	i9 14	1 1
t. George's, North t. John, St. George East W - E.L.	88747 8410	37 9	12 8	5 -	8 2	-	=	-	1 -	ī			-		2 -	5 -	6	-
hadwell $HH$ E.L. & N.R. ateliff E.L. & E.L. imehouse E.L.	10395 16107 32041	10 6 28	8 6 8	1 1 1	1 3 1		-	- 1	2 -	-		111	-		~ ī	-	4	-
iile End Old Town West E.L. iile End Old Town East WwwH- E.L.	379 <b>6</b> 0 67653	48 58	13 24	5 9	2 5	-	-	-	-	-	-	~ -	-	H	- 2	1 3	- 6	-
from the state of	37074 64359 85077	36 46 26	8 30 19	. 1 5 5	13 4	1 - 1	1 8 1			-		-	-	1 1 2	4 3	- 6 4	1 15 8	
SOUTE DISTRICTS.  Printchurch Southwark WH L. & S. t. Saviour Southwark - S. ent-road WH - S. & L.  Protogh-road WH - L. & S. entity Newington - S. & L. t. Peter Walworth W - S. & L. t. Mary Newington - L. & S.	18668 14999 21881 15958 21318 26672 59555 21628	12 10 19 11 12 19 39 17	3 7 10 7 11 7 20	1 2 2 3 1 4 3	1 1 1 4 4	1111111	1	1111111		1 - 1	111111	111111	111111	1	1 1 1	2 2 1 1 - 1	2 - 3 -	1
t. Olave WH S, & Le. t. Mary Magdalen W S, & Le. t. James Bermondsey - S, otherhithe WH S, & K,	11956 16300 15669 54688 36024	13 16 11 39 48	20 5 4 23 16	4 2 - 6 -	2 2 - 6 7	1111	111		1	1 2 -	1 1 1			11111	9	8 -	14	11111
aterioo-road lst   H   -	15195 16851 19876 39859 45282 35832 62837 19017	7 14 12 84 27 20 45 18	9 6 19 18 19 11 35	1 3 4 1 6 3 11 8	2 3 9 6 5 10 3	111111	2 - 4 2 - 1 1 -	1	1 2 2 1	2 -	1111111	111111111	1111111		11011111	2 1 1	98	3 1 - 1
ast Battersea	5467.5 52.587 8636.0 28004 13285 25563	54 57 24 16 9 50	20 21 12 7 5	4 6 2 1 1 2	5 7 5 - 8		1		1	1		1	itititi	1	111111		511	11111
ulwich L. & S. amberwell WwwL*L* S. & & L. S. & L. S. & L. S. & S. & L. & S. & S	5590 59104 71089 50810	5 86 61 50	42 27 19	- 386	11 6 2	7	3 4	1	1	1 3		-	-	ī	1	2 3	18	- 8
Paul Deptford was - K. Nicholas Deptford - K. teenwich West H - K. readwich East WHH - K.	76782 7901 21972 24605	81 7 13 24	22 - 2 14	5 - 4	6	-	- 1 1 -	1110		2		1 1 1 1		1111	1111			8 -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2048 21569 19865 20076	12 28 24	1 10 9 15	2 4 4	4 8 4		î -	-	-	1 1 1 1		1111	-	ī	1	ī	2 1	1
parlton H K.  oolwich Dockyard K.  oolwich Arsenal HH K.  umstead, West H K.  umstead, East W K.	10980 17617 19048 14009 18241	5 15 12 9 26	2 6 7 6 14	1 2 2 1 4	1 8 1 1 3	-	1 1 1 1	16111		111111			1 1 1 1 1	11111	1	1	2	1
Composition Asylum Hospitals:  Dartford w  Winchmore Hill w  Plaistow w  The following Warkburgs Hurshway	-	-	-	1 1	-	-	-	-	-	-	-	-	-	=	1 1 1			-

following Workhouss Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the

Stepney Worknouse in Bromley sub-district.

Popiar & Stepney Siek Asyuun

Westmister Union industrial School in West Batterses sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.

Métropolitan Asyum District Hospitals in Futnam, Hampstead, Hackney, Britton, and St. Paul, Deptford sub-districts, and in Dartford,

Edmonton, and West Ham sub-districts outside Registration London. Private Lunatic Asylums in which pa

Marylebon with the many in Kensington Town sub-district.
Central London Sick Asylum, in Tottennam Court-road sub-district.
Holborn intermery
London City Workhouse

Mile End Old Town Eastern and the London City

Mile End Old Town Eastern and the London City

Mile End Old Town Eastern and the London City

Private Lyngis Asylume in which unemper age received.

LONDON,-OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

ris- tion triet nd tb- triet m-	REGISTRATION SUB-DISTRICTS.	inclu-	Cnume-	11		-											
trict nd ib- trict		inclu-		1	- 1	Dest	hs of			1	Deaths	from					0
rs.		ding Tidal Water and Fore- shore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Mensies.	Scarlet Fover.	Uphtheria.	Whooping-dough.	ferer.	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public
LON	DON-OUTER RING	370.924	950,957	794	377	94	11.4	-	18	2	5	8	-	6	9	16	45
1:1	Carshalton wL -	12223	21118	10	11	1	5	7-	-		-	-	-	3 1	-		7
3	Epsom (part of) WwH	9971	10710	8	2	. "	1	-	,			-		-		- ·	-
1:1	Godstone (part of) • -	2754	1235	1	1	-	10	-	6	_	-,	-		_	-	-	7
8:1	Croydon WwHHL -	20351 11697	101241 17932	70 5	80 4	2	10 2	-	-	-	-	-	-	-	-	-	-
9:1	Wimbledon HHH -	3220	15950	12	1	1	3		1	-	-	2		_	-	-	1
2 8	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	31 11	13	5 2	2	-	-	-	-	1	-	-	-	-	-
4	Hampton H	4578	13539	9	7	3	1	-	1	-	-	_	-	-	1	1	1
0:1	Richmond WH Mortlake	2972 2911	21302 12331	7 8	14	8 -	1	-	-	-	-	-	-	-	-	1	-
1:1	Bromley (pt. of) * HH	15669	31142	28	12	3 5	8		-	-	1		-	2	1	1	8
2:1	Chishrst(pt.of)* WHH	14307	15844	16 24	14	3	3	-	-	-	1	-	,-	-	-	-	-
2	Dartford (Ww, pts. of)*	-	-	~	-	-	-	-	-	-	1		-	-		-	-
24:1	Staines W	11055	11685 12089	5	2 4	1 -	4	-	-	-	-	-	-	1	-	-	
25:1	1	6029	10802	2	2	- 2	1	:	-	-	-	-	-	-	-		
3	0	6178 14587	5225 11523	2 2	1	-	-	-	-	-	-	-	-		-	-	1
26:1	Isleworth WHH -	1	22727	25	13	5	3	-	1	-	-	-	-	-	-	-	-
2		2477 4845	19479 27649	9 12	8	2 2	3	-	-	-	-	-	-	-	1.5	-	
4	Chiswick	1340	15975 22876	10	5 7	3	1	-	1	-	-	1	-	1	1 -	-	1
5 1 : 27		13809	12798	9	8	2	-	-		-	-	-	-	-			
2	2 Edgware H -	- 6994 - 4383	3749 27453	5 82	17	7	3	-	-	-		-	-	-	2	4	
	Willesden 4 Hendon W -	8389	10484	12	8	1	1	-	1	-	-	1	-	-	-	1	
137 : 1	T Dusney	9331	6621	4	1 1	1	-	-	-	-	-	-	1:	-	1 -	-	i
128:	a Wanter Co. A Les and	- 15599	6391	8	4	1	8	-	-	-	-	1	-	-	-		
:	Barnet 3 Finchley HL -	- 5433 - 4688		8	13	1 .		-	-	-	-	-	-	-	1	1	
135:		- 3806		-	-			-	-	-	-	-		-	-	-	
129:	1 Hornsey H-	- 3039		_	15			-	1	-	-	1 2	-	-	-	-	
	Tottenham H - 3 Edmonton Ww ‡	- 4645 - 7453	1	_	13				2	-	-	-	-	-	-		
		- 12658 - 11017				- 1		-	-		-	-	-	1	2		. ,
		- 849	1			_					-	-	-	-	-		-
186 :	1 Stratford 2 West Ham wwwwH	- 88: - 735:				-1	2		1 2		1	-		1			
	3 Leyton WwL -	- 487	32430	43	14		8	в .	٠   -	. 1	- ا	-	-	-		-   -	-
187 =	Walthamstow H Chigwell (part of)				11	- 1		2 2			1	-					-
	2 Epping (W, pt. of)*		1			-	-	-	-		- 1	-			1		-
189:	: 1 Romford (part of) * 2 Ilford	W 673			- 13	8									-	-	

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as follows:

30: 2. Epsom sun-district, except the parishes of Ashatead and Headley (pop. 1285); 37: 1, the parishes of Warlingham and Farley in Godstone district: 38: 3. Esher sun-district, except the parish of Esher (pop. 1203); 41: 1. Bromley sub-district, except this parishes of Cadham Knockholt (pop. 1818); 41: 2. Chisienurat sub-district, except the parish of Chelsfield (pop. 947); 133: 1, the parish of Nortaaw in His sub-district: 187: 1, Chiswell sub-district, except the parish of Theydon Bis (20. 20: 140: 1. He parish of Dagenuam in Romford sub-district: 187: 1, Chiswell sub-district, except the parish of Theydon Bis (20. 20: 140: 1. He parish of Dagenuam in Romford sub-district: 187: 1, Chiswell sub-district, except the parish of Workhouses, belonging to Metropolitan Police District.

† Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winch nore Hill (see Table 5).

Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaintow (see Table 5).

FABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS EDG Rate of Mortality during the Week ending Saturday, 9th February, 1889.

			ANNUA	L RATE			The DE	ATHS	regis	tered	in t	he W	eek i	nelude		
GREATER LONDON.	Area in Acres.	Estimated	of Mor		DEATHS	Deat	hs of			I	eath	s from	n			Public ions.
	including tidal water and foreshore.	Population, middle of 1889.	From	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fover.	Diarrhosa.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	11.	15.	16.
SATER LONDON	448,334	5,642,015	17.0	1.7	1837	418	500	-	74	14	29	41	5	24	58	359
INNER LONDON - OUTER RING -	77,410 370,924	4,351.738 1,290,277	17°5	1.8	1460 377	324 94	386 114	-	56	12 2	24 5	33 8	5 -	18 6	49 9	314 45

OTE.—The area of Greater London is 448.334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 8.—Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,540,696 Persons.

A						DE	ATHS	FROM D	PRINC	ES.	ZYMOI	
CITIMS.	Population (enumerated or estimated).	DATE OF RETURN. Week ending	RIBTHS.	DEATHS. f Stillborn.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.
LCUTTA	433,219	November 24	200	- ]	-	-	-	-	uss	-	-	-
MBAY	773.196	January 15	291	461	26.6	3	12	3	9	2	136	68†
ADRAS	398,777 {	December 21 28	313 298	393 366	57·2 47·7	3	4. 6	0.4 82.	5	0.0.	86	81† 70†
RIS	2,260,945	February 2	1191	1111	25.6	3	39	4	54*	6	18	52 15
h 8 Faubourgs.)	462,069	, 2	272	190	21.4	-	8	-	tea 	3		19
MSTERDAM -	390,016	,, 2	259	191 .	24.9	-	10		. 5	7	1	
OTTERDAM -	197,723	,, 2	151	95	24.9	-	7	-		2		
B HAGUB -	153,440	2	109	59	19.9	-	. 1		-			
PENHAGEN -	307,000	January 26	184	129	21.9	-	-	2	6	3	-	2
OCKHOLM .	221,549	,, 26	113	68	16.0	-		3	5*	-	-	8 2
IRISTIANIA -	135.609	February 2	78	62	23.8	-	1	2	6	-1	~	
. PETERSBURG	842,883	January 26		549	34.0		-	8	6	4	13	77 26
ERLIN	1,470,582	,, 19	956	635	22.2	1 -	15	7	28	18	-	10
AMBURG(State)	F50.694	,, 26	855	274	26.0	1 -		-	14°	4	1 2	4
RESDEN	:64,196	26	177	115	22.6	P	-	-	7* 7*		_	10
RESLAU	313 451	February 2	193 "	100	26.7	-	2	2	13*		3	14
UNICH	281,000	January 26	183	169	31.3	-	7	5	15		5	25
IBNNA	811,434	,, 26	553	385	24.7	1	3 2	3	12	2	4	5
RAGUE	300,828	,, 26	-	176	30.2	16	2	4	7	2	9	19
UDA-PESTH .	452,907	,, 26	301	255	29.3	5	1 4		1	_		2
RIESTE	158,084	,, 26	-	97	31.9	11		-		1	143	11
OMB	462,233	December 15	223	236	30.6	2	3	2	2		194	-
URIN (10 days)	294,826	January 10	-	-	-	-	-	_		2	_	5
ENICE	153,218	, 19	83	93	31.7	-	1			-		90
AIRO	374,838	,, 17	428	315	43.8	-	1			4	21	
LEXANDRIA -	207.000	,, 17	238	200	45.1	-	-	-	-	1		
		10	_	779	26.5	-	31	54	50	9	4	19
NEW YORK -	.,,	10		358	22.9	-	5	10	. 27	10	2	2
BROOKLYN -		10	1	382	19.2			. 14	. 11	2	8	2
HILADELPHIA -	1,040,245	10		142	14.8	-	-	1	3	5	3	-
SALTIMORE -	500,545	, 10	11		il		<u>-</u>	1				

Including deaths from croup.

The deaths returned under "Diarrhoeal Diseases" include 34 from Cholera in Bombay, and 4 and 6 respectively in the two weeks ladras.

Including 12 deaths from Malarial Fever.

ending Saturday, 9TH FEBRUARY, 1889. TABLE 9.-METECROLOGICAL OBSERVATIONS taken at the ROYAL UBBERPATORY, GREENWICH, during the Vy.

									20	10000	rotog			er vario								_
1		Ozone		0.0	0.0	0.0	0.0	6.0	8.0	0.0	0.1	27	ea; no	or, are ussion or, and	he air duced	raphic	", and	below l, and m the	. The	t, show	8.95 in.	Sed to
	Rain	in a Gauge whose	surface is 5 inches above the Ground.	in.	90.0	10.0	0.00	18.0	0.15	0.00	Sum 08.0	26	vel of the sea; no	mean re	re of the are de sher's 1	photogital mov	1875. "higher	Wo feet Deptforcons	rometers. strong	trument	eek to 2	decres
			Depar- ture from Average of 16 Years.	Miles.	+215	- 21	+ 20	+ 41	+330	+339	Sum +1032	25	n level o	ulb then ced from or the b orrected	nperatu umidity by Glai	n of the horizon	ending	th of triket at lastruction	ng Elect	ine Ins	of the w	ne day;
		Robinson's.	Horizontal Movement to of the Air A on each Day.	Miles.	556	319	359	378	199	699	Sum 3394	77	the meal.	he wet b ons dedu ig 1873 f th the co	the mean daily value of temperature of the air temperature and degree of inunity are deduced and wet builb thermometers by Glaisher's Hygro-	liscussio that of	16 years nat + inc	at a dep uttle Ma under in	egisterir m. moo	ss Sunsh underst	sginning 5th: de	the san
	meters.	1.	an 24 irily 8.	lbs. M		0.5	0.5	9.0	2.2	3.0	22	23	t above sea level	r, and t	ly valu	rom a c	or the	pended vign Ca arket,	's self-r weak;	ll-Stoke e to be	t the be	M. on
	Anemo	on the	st. Me			0.0	0.0	0.0	7 0.0		-		59 fee ce to s	ometer omete	n dail	ived fi	oords ae m 1	re sus re For he M	e; w.	day.	31 in. 8	9h. P
	d from	Pressure on the	at- L. Least.	1 lbs.						8 0.1	:	23	ter is loon	hermolication twen	mea npera	ut deri	rie re	of the of the	m The	the Ca n each ervation	m 29 :	a. by
	deduce		Great-	lbs.		2.0	2.3	0.9	14.0	11.8	:	12	romet ings to	bulb the appropriate the bulb	ing the	is the	nomet will b	e Tha	N. 11	rom trine or	sed fro	0.82 in
	Wind as deduced from Anemometers.	Osler's General Direction.	P.M.	TAM o M	NNE. & N.	WSW. & SW	W.N.W.S.W.	N. R. N.W.	SW.W.&	NNW.	ble.	20	of the ba	r, the dry alues by tl made duri ing 1868 fo	rs, formin ly dew poi s of the d	of the air	of the aner and 25 it e.	water of the	r is derive;	), derived f ight sunst teorologic	to midnigiter decreases	ased to 28
[7]		General I	A.M.	We w	NNE.R.N.		W.	SSW. WSW.	SW.	NW.	Variable.	19	The height of the cistern of the narometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 91, a.m.: noon; 31, P.m.; and 31, P.M. The means of the	"gev-radings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and the tribing the twenty years ending 1885 for the thermometers. With the corrected mean radius of the the dry bulb the twenty years ending 1885 for the thermometers. With the corrected mean radius of the dry bulb the tribing 1885 for the thermometers when the corrected mean radius of the dry bulb the tribing the tribi	and minimum themselves, forming the mean daily value of temperature of the air column 5; The mean daily dev point benperature of the air from the mean daily values of the dry and were built beneares by Galaxier's Hygner.	metrical tables.  The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1808, and that of horizontal movement	of the arr from a discussion of the anemometric records for the 16 years ending 1875.  In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," — "Invner," than the average.	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the	Or porabout of Loudous. The record of Blectricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggreeque duration of bright sunshine on each day.  The results of all the meteorological observations are to be understood as applying to the	oivil day, or from midmight to midnight.  The reaching of the barometer decreased from 29-31 in. at the beginning of the week to 39-75 in.  The reaching of the barometer decreased from 29-31 in. at the beginning of the week to 39-75 in.  Vol. 81. P. M. on the 37d : increased to 39-18 in. by 91. A.M. on the 54d : decreased to 91-40 in in.	7th; incre
[Under the Superintendence of the Astronomer Royal.]		Of the Water of the Thames at Deptford.	Low.	0 17		37.0 3	2.68	39.6	38.0	38.3	39.7	18	kht of thas been trions an	into n tograph e twent	mum t 3). The	metrical Tables. The average te records made at	from a ing the	rmome se, at th	cord of employee.	mbers i gate du jults of	or from	on the
onome	ATURE	Of the of the at Dep	High-	0 4	43.5	8.7	41,1	41.8	8.04	1.05	42.1	17	he hei ection bserva	readin verted he pho	mini umn n the	he avor	ne air n read lower	he the surfa ir rea	The reco	he nu aggre he res	il day, he rea	A.M.
e Astr	TEMPERATURE.		Lowest on the Grass.	0.26		1.61	31.0	2.18	53.0	1.55	£24.1	16	corr			8 5.	9 I	the	2 2 ×	7	civi T Dy	. ile
o of th	TE	Of Radiation.	High. I sun's Rays.	0 27.0		24.3	0.50	0.99	8.09	8.69	8.09	15		rereast snow,	morn-	Slight		morn-	erally.	nt night.		
endenc		Degree of Hu- midity		64		86	10	82	88	54	81 6	14	oż.	ning; o'	n early showe night.	afterwards.		out the night,	vind genuall oc	dless at		
perint	reen	nt nt	Least.	0.0	0.2	1.0	1.1	0.1	2.0	0.4	1.1	13	TARK	n mor mingle	snow i snow lless at			hrough	trong v	; clou		
the Su	nce betw	Temper Jew Poi peratur	Great.	0 0	9.8	4.2	9.9	0.6	7.0	1.61	8.6	12	L RED	oudy i	in and asional s; cloue	overcast	at time	rain t	with a her rain	the day		
Under	Differe	the Air Temperature and Dew Point Temperature.	Mean daily value.	0 %	0.4	3.8	4.3	8.4	3.1	13.0	8.0	11	GENERAL REMARKS	ially el n, oceas P.M. and	with ra th loce erward		Slight rain at times.	steady	h. P.M.	l, during		
_		Of the Dew Point.	Mean daily value.	0 0	6.87	9.62	9.98	31.1	35.1	6.41	30.5	10	GE	nd part s. Rai en 4h.	squalls idy wi fine aft	morning;		, with	efore sed by	revailed		
ı	RE.		De- parture from verage of 0 years.	0.4	-	2.1 -	4 0.2	£.3	1.1	-1:00	2.5	6.		Fine and partially cloudy in morning; overcast therwards. Kain, consonally mingled with smow, fell boween th. P.M. and Sh. P.M.	Heavy squalls with rain and snow in early moint; cloudy with loceasional snow showers in. P.M.; the afterwards; cloudless at night.	Fine in mrain st night.	Overcast.	Overcast, with steady rain throughout the morning; cloudy till evening; cloudless at night.	Overeast till afternoon, with strong wind generally. Snortly before th. P.M. a beavy squall occurred, accommoned by violent rain, and half, Generally according to the strong property and the strong	Strength prevailed, Partially cloud less Windy till afternoon.		
ı		lr.	Mean daily value.	31.	82.8	\$3. <del>*</del>	6.05	35.0	38.5	31.8	35.6	00	above izon. ours.	61	8.6	9.3	9.4	4.6	2.6	9.6	Sum 65.7	1 8
	TEMPERATU	Of the Air.	Daily Range.	0 11.0	6.6	0.11	1.1	14.4	2.61	7.2	9.11	7	ed Sun		· ·	о ———	<u> </u>	<u> </u>		6		
ı			Low-		2.67	2.12	36.4	80.3	29.1	28.3	30.5	9	Registered Sun above, Sunshine, Horizon, in hours.	9.0	¢1	0.5	0.0	9.0	0.5	3.6	Sum 7.4	66
			High.	0 0	88.8	38.5	1.55	1.74	9.84	0.98	6.14	2					- Ar					
	BARO-	Mean daily reading	and re- duced to 320 Fahren- heit).	in.		30.01	29.773	019.63	845.65	29.411	29.264	+	ELECTRICITY. or explanation of inhols, see Note.				nt und					or
-		Phases			. E		:	First Qr. 2		Apogee. 2	:	89	ELECTRICITY. (For explanation of symbols, see Note.)				Instrument under adjustment.					61
	-		0	ST.		10	9	7 1	90	9 A		-		· ·	4	10	- ×-	t-		6		
		1889.	Монти амв Day.	FEBRUARY.	Mox.	TUBB	WED.	TRUBS.	FRI	SAT	MEANS	No. of Col.	DATE.	SUNDAY	MONDAY .	TUREDAY .	WEDNESDAY	TRUBEDAY .	FRIDAY	SATURDAY		of Cal
,						-			-					ιζ	N	T	M	4	E.	SA		12

#### OFFICIAL COPY.

#### WEEKLY RETURN

#### DEATHS IN LONDON AND BIRTHS

AND IN

#### TWENTY-SEVEN OTHER GREAT TOWNS.

## By Authority of the Registrar General.

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No. 7. 1889. Vol. L.]

WEEK ENDING SATURDAY, FEBRUARY 16.

Price 1 d.

General Register Office, Somerset House, 18th February, 1889.

### TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19.8 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	-1	Weeks	ending				Weeks ending						
Towns.	Jan. 26.	Feb.	Feb. 9.	Feb. 16.	Towns.		Jan. 26.	Feb. 2.	Feb.	Feb. 16.			
Bristol - Cardiff* - Derby -	24·9 27·1 19·6 15·8 17·1 18·2 24·5 12·2 23·8 20·2 14·5	18·7 33·6 20·0 16·9 16·7 19·1 23·1 20·1 19·3 20·2 14·8	19·1 20·8 21·2 20·6 18·0 15·3	17·4 28·4 22·7		e*	19·4 26·9 21·7 15·5 18·9 25·7 23·3 15·9 28·0 23·8 25·5	20.9 18.8 25.5 24.0 28.7 20.0 22.7 14.4 22.5 23.4 20.9 19.4	17·5 26·4 24·0 16·0 17·6 23·1 28·0 14·0 20·5 22·5	18·2 29·3 26·3 22·6 20·6 23·5 14·0 18·5 24·0 24·9 21·5			
Leicester* -				13.9	Wolverhampton			24.0					

The highest annual death-rates, measured by last week's mortality, were:from measles,  $2 \cdot 2$  in Salford and in Huddersfield,  $2 \cdot 5$  in Birkenhead,  $2 \cdot 7$  in Bristol, 3.7 in Oldham, and 7.3 in Blackburn; and from whooping-cough, 1.3 in Bradford and in Nottingham, 1.9 in Newcastle-upon-Tyne, and 3.5 in Preston. The deathrate from scarlet fever, and that from "fever," did not reach 1.0 in any of the twenty-eight towns. The 54 deaths from diphtheria in these towns included 24 in London, 7 in Salford, 6 in Manchester, 2 in Liverpool, 2 in Oldham, 2 in Sheffield, and 2 in Hull. No death from small-pox was registered in any of the twenty-eight great towns.

#### LONDON.

In London 2511 BIRTHS and 1516 DEATHS were registered. increase of population, the births were 401, and the deaths 365, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the five preceding weeks from 24.9 to 17.5, rose again last week to 18.2. During the first seven weeks of the current quarter the death-rate averaged 20.2 per 1000, and was 3.6 below the mean rate in the corresponding periods of the ten years 1879-88.

The 1516 deaths included 43 from measles, 16 from scarlet fever, 24 from diphtheria, 31 from whooping-cough, 13 from enteric fever, 10 from diarrhea and

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Brudford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

dysentery, I from cholera, and not one from small-pox, typhus, or ill-defined forms of continued fever; thus, 138 deaths were referred to these diseases, being 87 below

the corrected average weekly number.

No death from small-pox was registered, the corrected average being 16. The death of an infant, aged 14 months, in Clerkenwell, was attributed to chicken-pox. No small-pox patient was under treatment at the end of the week either in the Metropolitan Asylum Hospitals or in the Highgate Small pox Hospital. cases of measles, which had declined in the five preceding weeks from 176 to 56, further fell last week to 43, but exceeded the corrected average by 14; 6 belonged to Islington, 5 to Camberwell, 4 to Lambeth, 3 to Saint George Hanover Square, and 3 to Hackney sanitary areas. The 16 deaths from scarlet fever showed a further increase of 4 upon the low numbers in the two preceding weeks, but were 13 below the corrected average; 2 belonged to Bethnal Green, 5 to Poplar (including 2 admitted to hospital from Parnell Road), 2 to Lambeth, and 2 to Camberwell sanitary areas. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 653 scarlet fever patients, against numbers ranging in the thirteen preceding weeks from 980 to 663; 43 cases were admitted during the week, against 65 and 52 in the two previous weeks. The fatal cases of diphtheria, which had been 38 and 24 in the two preceding weeks, were again 24 last week, and exceeded the corrected average by 9; 2 belonged to Paddington, 3 to Kensington, 2 to Pancras, 2 to St. George-in-the-East, 2 to Poplar, 3 to St. George. Southwark, and 5 (including 2 admitted to hospital from Brading Road) to Lambeth sanitary areas. The fatal cases of whooping-cough, which had been 38 and 33 in the two preceding weeks, further declined last week to 31, and were 71 below the corrected average; 3 belonged to Fulham, 3 to Hackney, 4 to Lambeth, 6 to Camberwell, and 3 to Greenwich sanitary areas. The deaths attributed to diarrhea and dysentery, which had been 24, 13, and 18 in the three previous weeks, declined last week to 10, and were 5 below the corrected average. The death of an infant. aged 11 months, in Islington, was referred to "cholera morbus, diarrhoza, and

The deaths referred to enteric fever, which had been 10 and 5 in the two preceding weeks, rose last week to 13, but were 3 below the corrected average. The Metropolitan Asylum Hospitals contained 53 cases of enteric fever, and one of typhus on Saturday last; one case of enteric fever was admitted during the week, against 1 and 5 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had declined in the five preceding weeks from 652 to 340, rose again last week to 376, but were

159 below the corrected average.

Different forms of violence caused 44 deaths; 36 were the result of negligence or accident, among which were 17 from fractures and contusions, 3 from burns and scalds, 4 from drowning, and 7 of infants under one year of age from suffocation. The 17 deaths from fractures and contusions were thus caused:- 6 by accidents from vehicles in the street; 3 by accidents on railways; 1 by fall from scaffold; 1 by fall down lift; 1 by fall into hold of ship; 1 by fall down stairs; 2 (one intoxicated) by fall in walking; 1 by injury from iron plates; and 1 by injury from machinery. An inquest was held in each of these 17 cases. Seven cases of suicide were registered, the corrected average being 6.

GREATER LONDON.

In Greater London 3234 births and 1894 deaths were registered, corresponding to annual rates of 29.9 and 17.5 per 1000 of the estimated population. In the Outer Ring 13 deaths from whooping-cough, 6 from measles, and 4 from diphtheria were registered. Four fatal cases of whooping-cough were returned in Stratford, and 3 in Croydon sub-districts; and 2 deaths from diphtheria occurred in Tottenham sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.65 ins.; the lowest reading was 29.05 ins. on Sunday evening, and the highest 30.13 ins. on Tuesday evening. The mean temperature of the air was 34.3, and 4.6 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Thursday and Friday, but was below the average on each of the other days of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 13.6 miles are now which was 0.6 of a mile above the average in the corresponding weeks of 15 years. per hour, which was 0.6 of a mile above the average in the corresponding weeks of 16 years. Rain or melted snow was measured on six days of the week, to the aggregate amount of 1·19 inches. The duration of registered bright sunshine in the week was 8·7 hours, against 10·4 hours at Glynde Place, Lewes.

		CITIES	AND BOROUGHS.		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	Nonmon	PLYMOUTH.	BRISTOL.	WOLVEBHAMPTOR	BIRMINGHAM.	LRICESTER.	Nottingham.	DERBY.	BIRKENHEAD.	LIVERPOOL.	ROLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURN.	PRESTON.	HUDDERSKIELD.	HALIFAA.	BRADRORD.	LEEDS.	SHEFFIELD.	none.	NINDERLAND.	NEW CASILIE.	CARDIER.	Enrange.	GIASGOW.	DUBLIN.	
	FALL.		Centi-	une In	24.	2.31	3.05	4.34	1 1	3.84	1.78	2.16	1	3	0.84	1	1	1.96	1	'	•	1	1	ı	8 1		1.12	1	1001	70.7	2004	70.7	1	0.38	1.83	2.13	
	RAINFALL		ropea•	al al	23.	16.0	1.19	1.1	• •	1.21	0.40	0.82	1	1	0.33	1	1	24.0	1	1	1	1		1		•	0.44	1	1 200	RO. 0	00.1	0 42	ı .	0.14	64.0	1.10	
	AIR.	8n.	.sba1g	Centig	22.	1.78	1.58	1.61		3.67	2.39	-0.34	1	1	0.89	ŧ	1	2.26	1	1	•	ı	1	ı	' '		90.1	ı	10.0	77 0-	00.0	20	1	1.00	00.6	1.56	
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	ATUBE	.3	Lowes	lheit.	20.	18.0	6.81	21.8	, ,	28.2	\$22.4	18.8	1	1	0.13	1	1	9.13	ı	1		1	1	1		1	24.6	ı	1000	TO O	0.67	0 07	ı	0.10	0.66	17.2	
0	TEMPERATURE OF THE AIR.	.16	Higher	Fahrenheit	19.	55.0	49.5	0.09	3 3	52.2	0.67	48.3	1	ì	8.4	ı	1	52.3	4	3	1	1	1	1	8	1	48.7	1	1 1	0.75	0.00	40 n	i	10.0			
3		eaths	mo ses in .21-9	TT I)1868 (Jols,	18.	2.2	1.6	2.1	1.1	2.0	8.4	0.0	1.4		7.7	9.1	67	2.0	, T	4.3	6.4	2.1	9.2	0 0	0 0	3	4.2	1.00 0.10	20 1	D. T	7 7 7	2 1	7.4	1.0	4.4	9 00 F H	-
Annus	per 10	To the Week's Deaths	IIA n		17.	19.8	18.3	10.2	9.66	14.0	23.2	18.3	17.4	13.0	9.03	18.0	21.4	0.13	25.2	29.3	6.77	23.2	28.4	24.0	21.3	# OT	21.2	78.2	21.2	9.77	21.4	26.3	19.0	6.01	12 2	4.63	
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		·g	esths in Public Ritution	sul	15.	654	375	4 ×	0 63	H	19	9	16	00	2	₩	20	20	99	45	17		প্ত	63	67 6	10	10	11	= '	.0	67	15	E-	R P	17	88	
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RTH8,		Deaths of	to Tag To Tag Se.		4.	834	326	41	10	J. 4	17	00	89	6	878	7	6	26	6	44	19	16	20	14	12	6	26	88	83	14	2	77	12	2 7	7.7	30	
19-12	during	ending		o	80	3624	1516	88	20	4 53	102	29	152	40	94	34	42	244	20	213	112	64	99	48	68 3	24	26	125	135	20	22	100	4	90	000	199	
TABLE T.	Registered during	the Week ending	Torm Tron	BIRTHS, DEATH	2.	5590	2511	52	105	52	115	54	238	88	130	54	19	331	11	267	136	83	81	78	45	46	136	210	213	105	8 9	106	94	125	101	165	
		POPULATION			1.	9,555.406	4.351,738	121,807	141,253	78 995	229.361	82,544	454.835	150,520	237,812	98,529	102,511	606,562	114,670	878,800	284.283	142,405	121,275	104,194	92,825	81,080	235,056	357,449	827,227	208,012	134,193	160,983	112,712	000 000	K96 144	353,082	
	_				Cols.		•	•	•	• •		TON		•	•		•	٠	;	•	•	•	•	•	rp .		•				•						
		Salario	AND ROROTGHS.		3	28 TOWNS	T.OWDOW	BRIGHTON .	Ровтвмотти	NORWICE .	PLYMOUTH .	WOLVERHAMPTON	Dengeradua	L'PICERTER *	NOTTINGHAM	DERBY	BIREENHEAD	LIVEBPOOL .	BOLTON -	MANCERSTER	SALFORD*	OLDHAM .	BLACKBURN .	PRESTON -	FIE	HALIFAX .	BRADFORD* -	LEEDS -	=	- TINH	SUNDERLAND	¥3	CARDIFF	- HOGHGNAG	TOWN THE PERSON IN	LEBLIN .	

TABLE 2. LONDON .- Births and Deaths Registered in the SEVENTH Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births Males Females .	2597	2659	2841	2674	2732	2649	2526	2849	2612	2569	2912·4	2511
	1286	1346	1402	1367	1354	1363	1268	1512	1325	1298	1474·4	1334
	1311	1313	1439	1307	1378	1286	1258	1337	1287	1271	1438·0	1177
Total Deaths  Males Females .	1646	2016	1564	2188	1 <i>5</i> 25	1528	1497	2035	1560	1689	1880·8	1516
	806	1007	852	1065	766	788	765	1023	803	841	950·4	744
	840	1009	712	1123	759	740	732	1012	757	848	930·4	772

<sup>\*</sup>The numbers in this column are the average weekly numbers in the seventh weeks of the ten years 1879-88, raised by 9'046 per cent. for increase of population.

TABLE 3. L()NDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. HONDON.				-		-	-	-	-	-		-	
	Nov. 24.	Dec.	Dec. 8.	Dec. 15.	Dec. 22.	Dec. 29.	Jan. 5.	Jan. 12.	Jan. 19.	Jan. 26.	Feb.	Feb.	Feb. 16.
TOTAL Births	2722	2367	2644	2291	2655	1876	2855	2668	2837	2599	2662	2772	2511
TOTAL Deaths	1409	1352	1461	1455	1802	1641	1784	2075	1769	1620	1570	1460	1516
Ages at { 0-20 years - 20-40 , 40-60 , 60-80 ,, - at 80 years & upwds.	724 167 212 257 49	701 164 217 223 47	765 177 243 228 48	720 178 247 251 59	888 197 286 356 75	779 173 277 335 77	825 204 308 366 81	850 218 383 506 118	776 197 288 428 80	709 162 280 394 75	714 158 270 338 90	650 131 243 313 73	655 182 279 322 78
$\begin{cases} \text{Under 1 year} & -1 \\ 1-5 & -1 \\ 5-20 & -1 \end{cases}$	342 292 90	327 288 86	375 296 94	307 314 99	390 375 123	345 341 93	372 338 115	373 370 107	373 315 88	325 281 103	370 250 94	324 233 93	326 247 82
Deaths from Small-pox	133	141	139	154	184	147	143	176	121	83	71	56	- 43
", Scarlet fever - ", Diphtheria -	20	24	30	17	25	20	12	17	19	20	11 38	12	16
Whooping-cough Typhus -	19	20	13	14	25	28	32	37	36	24	38	33	31
", " Enteric fever - " SimpleContafever " Diarrhœa and)	15	11	12	18	12	8	14	10	1 -7	10	10	5 -	13
,, ,, Diarrhoea and Dysentery - }	18	18	19	11	16	14	11	12	11	24	13	18	10 1
" " all the above-)	248	245	249	253	301	251	246	275	232	195	182	148	138
" " " Dis. of Respira- tory System	287	258	277	330	440	412	484	652	492	456	409	340	376
,, ,, Phthisis ,, Dis. of Circula-)	132	136 96	144	1	153	152	154	187	136	152	138	140	158
tory System \ Violent Deaths	43	54	62	109	127	130	160	195	155	141	142	132	120
Inquest Cases Deaths in Public Institutions	105	103	120	86 353	154 395	107	132	143 398	63 121 386	50 102 401	55 104 382	49 91 314	98 375
Temperature of the Air Mean	49.0	45.7	49.1	33.3	40.4	42.5	31.8	35·3	37.8	38.5	43.1	35.6	34.3
Mean of Highest readings - Mean of Lowest readings -	53.4	49·6 41·6	54·0 43·6	38·8 27·9	44·4 36·0	47·3 36·6	36·1 27·1	39.7	41.0	43.3	49.4	30.2	40·9 27·1
Humidity of the Air	81	89	87	93	94	90	93	93	87	93	88	81	84
Rain-fall in inches	0.11	1.77	0.17	0.00	0.13	0.06	0.00	0.49	0.02	0.15	0.22	0.80	1.19
Registered Sunshine (in hours)	6.5	6.0	11.5	3.8	6.2	4.6	3.2	2.7	1.5	5.3	13.0	7.4	8.7

## METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher. Esq., F.R. S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., Ll.D., Plymouth R. C. Cann Lippineott. Esq., Bristol; t. Sumpson. Esc., Wrottesley, Wolverham; J. Henry Tomkins, Esq., M.D., Leicester; Arthur Ecown, Esq., and B. A. Whitelegge, Esq., M.D., Notting-ham; J. Hartunp, Esq., F.R.A.S., Liverpool: H.O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., Sunderland: and Wm. Lyall, Esq., Newcastle-on-Tyne.

PABLE 4. LONDON. - DEATHS Registered at several groups of Ages from different CAUSES in the

	or the years	38	aturd	ay, 1	6th		lary				or the	S		n the					
	-		De	aths t	of I	Perso ges	ns of				uges for		De	eaths ti	of Po	801 805	18 of		
CAUSES OF DEATH.	Corrected Averages 7th Weeks of the 10 1879-88.	Lu AGES.	0-1.	nder 20.	20.	20 and under 40.	and under 60.	io and under 80.	upwards.	CAUSES OF DEATH.	Corrected Averages for the 7th Weeks of the 10 years 1879-88.*	ALL AGES.	1.	Inder 20.	- 2U.	and under 40.	to and under 60.	at and under 80.	Nears and
ALL GAUSES	1880.8	1516		-	82		279	1	0,	Diseases of Organs of			7		-	15	=	=	5
(Vaccinated) -			-	-		-			-	Special Sense f}	1.4	2	_	2	-	_	_	-	-
Small- pox Unvaccinate l No Statement	315.6	-	-	-	-	-	-	-	-	Diseases of Circulatory }	125.3	120	3	4	7	21	36	42	7
Mensles Scarlet Fever	28·8 28·7	43 16	6	31	6 5	1	-	-	-	Croup	15·0 844·3	13 229	1 43	10	2	- 4	87	79	24
Typhus · - Relapsing Fever t	0.0 0.8	-	-	-	-	-	-	-	-	Pneumonia Pleurisy Other Diseases of Respi- ratory System	122 7 5·7 47·5	99 6 29	22 1 4	40 29 2	5 - 2	13 2	87 18 1	79 13 - 9	8
Influenza Whooping-cough	0°2	31	15	1.5	1	-	-	-	-					-		-	-	-	-
Diphtheria Simple Continued and }	15°3 2°8	21	-	18 1	6	-	-	-	-	Dentition † Quinsy, Sore Throat † - Enteritis	18'3 1'7 7'1 6'7	12 1 9 4	7 1 2	5	1 3	1111	3	3	
Ill-defined Fever - 5 Enteric Fever	16.0 0.5	13	-	1	~	7	5	-	-	Diseases of Liver Other Diseases of)	26·7 32·5	23	7	2	1	2	8	10	
Cholera Diarrhœa, Dysentery -	14.2	10	5	2	-	-	-	2	1	Digestive System -}		-	-	_	_	-	-		-
Remittent Fever† Hydrophobia	0°0 0°1	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands †	2.9	3	-	-	-	2	1	-	
Glanders Cowpox and Effects of Vaccination † }	0.5	1	1	-1	-	-	-	-	-	Diseases of Urinary System	43.6	34	-	-	-	8	9	17	-
Venereal Affections - Erysipelas	9·9 6·7	11 3	7	2	_	1	1	1 -	1							_		_	-
Pyæmia and Septicæmia † Puerperal Fever	2.0 7.6	- 5	-	-	1	4	-	-	-	Diseases of Generative } System } Accidents of Childbirth -	5.8	10	-	-	-	10	8		
Other Zymotic Diseases †	2.4	1	-  -  -	1	-	-	-	-		Diseases of Locomotive } System † }	9.1	5	-	-	4	1	-	-	
Worms and other Para- sitical Diseases}	0.4	1	-	-	-	1	_	-	-	Diseases of Integumen- tary System	7.2	6	1	1	-	1	1	2	-
Starvation, Want of Breast-milk † }	2.1	1	1	-	-		-	-									_	_	-
Alcoholism	2.9	6	<u> </u> -	-	-	3	2	1	_	VIOLENT DEATHS.§ Accident.)									
Rheumatic Fever. Rheumatism of Heartt	7.9	2	-	-	1		1	-	-	Fracture and Contusion Gunshot Wound Cut, Stab	0.3	17	=	-	1	9 -	9	4 -	
Rheumatism † Gout	2.3	1 3	-	1		1	. 3	-	-	Burn and Scald	8.1	3	-	ī	1	-	1 -	1 -	-
Rickets†	5.6	7	2	5	-	-	-	-	-	Drowning Suffocation	16.6 2.6	9 2	7	î	-	1	8	1	-
Cancer Tabes Mesenterica -	43.9	49 28	18	1		3	27	13	-	Otherwise	2.6		- -		_	-	_	_	
Tubercular Meningitis -	30.0	26	6	11	8	1	-	-	-	(HOMICIDE.)									
Phthisis	179.0	158	3	3	7	73	63	9	-	Murder & Manslaughter	1.6	1	-	-	-	-	1	-	
Other Constitutional Diseases †	9.4	18	6	6	. 3	1	_	2		(Suicide.)	0.0								-
Premature Birth		49	49	-	-	-	-	-	-	Gunshot Wound Cut, Stab	0.8	4	-		2			2	-
Ateleotasis † Congenital Malforma-		7	6	1	-	-	-	-	-	Hanging Otherwise		1 2	-	=	-	-	1	i	
Old Age	61.1	61	-	-	-		-	28	33	(Execution.)						-			
Apoplexy Epilepsy	47°2 8°6	54	-		1	4	18	4		Hanging	0.0			-	-	-	-	-	-
Convulsions Other Diseases of Brain and Nervous System	} 103.3	32 104	1			7. 6	14	38		OTHER CAUSES †	65.1	59	51	4	1	1	1	1	

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9'045 per cent. for increase of population.

As the ten years average could not be correctly ascertained, the average for the seven years 1882-8 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the deceased has, or has not, been vaccinated, which are so certified by registered retitioner, the case is returned under the heading "no estatement,"

The evidence at inquest is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, unalaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON .- POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET

TABLE 6. DONDON. TOTAL								_	_			- 12		Line	-			-
							The	DEA		-			Wee		unde			
	Enume			Deat	h3 0					Deat	no tro	m					lio	203
REGISTRATION	Popu-	e 1	THE.	F	1 6.0 wds			2 1		ouen		040	er.			68.	Public	Canses
8UB-DISTRICTS.	lation.	BIRTH	DEAT	s under of Age.	aged co	0 X.		Fevor	ria.	D.G0		(or	tinued Fever	CP Sh.	. 90	Cases	eaths in Pu	Uncertified (or Death.
	1881.		otal D	nfants Year o	Years ?	Small-pox.	Reles	carlet	htheria	andoor	l'y paus	Enteric (o	Simple	Diarrh	Violense	Inquest	Deaths	certi
		Total	Tot	Infa	l'ers Ye	Sun	Mei	Sch	and a	;	Ty	Ent	Sir.	10	V	- E	De	200
The second secon	9 07 8 70 1	0844	1510	200	400	_	43	16	24	81		13	_	10	.44	98	375	17
LONDON	3,315,704	2511	1516	326	400		10	1	8	5	_	3		1	8	16	63	3
West Districts	905,947	368 607	274 346	54 75	79 101	-	13	8	2	4	-	3	-	3	9	27	92	-
North Districts	282,238	156	105	26	22	-	3	1	2 4	1	-	2	-	2	7	20	34	1
EAST DISTRICTS	692,738	905	509	47 124	93 115		18	5	8	21	-	2	-	8	18	26	103	13
SOUTH DISTRICTS METROPOLITAN ASYLUM HOS-	1,200,110	-	1	-	-	-	- (	1	-	-	-	-	-	-	-	-	1	-
London																		
St. Mary Paddington WHH G.J. & W.M.	09888	47	30	9	7 7	-	2	-	1	-	-	-	-	-	3	4	3 7	-
St. John Paddington H	37330 120141	14 58	17 40	8	14	~	-	-	8	-	-	-	-	-	1_	2 2	12	- -
Brompton H W.M. & C.	43010 7599	11 8	14	1 -	. 5		-	-	-	-	-	-	-	-	1	1	-4	-
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J. Fulham Www	64340 42900	85 54	26 24	8	6 7	-	1 -	-	1	3	-	-	-		1	- 0	5	-
Charles WEED Co.	0396 21925	17 16	16	6 8	2 7	-	-	1	. <u>1</u>	-	-	1 -	-	1	-	3	8 16	-
Chelsea North-west WHRHITH C. C. C.	32807 80353	26	10	3	3	-	Ī	_	-	-	-	1 -	-	-	1	1	9	
May Fair WW G.J.  Relgrave WHHH C.	59220 35496	27	20	1 2	3 5	-	3	-	1 -	2	-	-	_	-	-	1 -	2	2 1
St. Margaret Westminster H - C.	24679	8	7	2	3	-	2	-	_		-	1 _	-	3	-	-	2	
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	29941 16608	11 5	8 3	-	-	-	1	-	-	-	-	-	-	-	1	1	1	
NORTH DISTRICTS.  All Souls Marylebone HHHH! - W.M.	26759	17	15	2	2		1		-	-	-	-	-	-	1	2	9 .	-
All Souls Marylebone HHHH - W.M. Cavendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebo. HHH G.J. & W.M. Christchurch Marylebone H - W.M. 8t. John Marylebone H - W.M.	14391 24309	4 9	12	1	7	П	-	-	-	-	-	-	-	-		2	3	-
St. Mary Maryleb. HHH G.J. & W.M.	21118	25 15	7 9	3	1	П	-	-	-		-	-	-	-	=	1	-	-
St. John Marylebone H - W.M. Hampstead WwwHHHH N.R. & W.M.	33633 45452	14 26	15	4	4		1	-	-	-	11.	-	: -	-	-	-	3	-
		25 23	8	2	1 2	1	1	-	2	-	-	1	: [	-	1	2	7	-
Regent's Park Paneras H - W.M. Tottenham-court wHHHHHN.R.&W.M Gray's Ina Lane HHH - N.R. Somera Town H - N.R.	80247 84369	17 24	10	1	8 2	-	-	1	1. [	-	-	-	-	-	ĩ	1	2	-
Somers Town H N.R. Camden Town WH N.R. N.R. Kentish Town W	17311 87487	15 65	21 27	3 5	12	-	1 -	-	-	1	-	-	-	1	-	-	17 6	- 1
Finney Hollower WWWH N.R.	67946 100976	55 67	45 27	11 10	12	-	4	-	1 :	-	-	1	. :	1	1	2 7	20	-
Isington South-west HH - N.R. Isington South-east - N.R. Highbury H - N.R.	61895 52048	34	15	7	9	17	2	1	1 -	ī	1 =	1.	- [	1 -	1 .	1	ĩ	-
Stoke Newington H N.R.	22781 9277	15	4 2	1	3	-	-	-	1.5	1 =	1	-	-	4 -	-	-	-	-
West Hackney H	37610	20 63	11 45	9	9	-	1	7	-	1 1	-	1	-	2	1	1 6	19	-
South Hackney E.L. CENTRAL DISTRICTS.	89388	35	17	2	6	-	1	-	-	2	-	-	. **	-	-	1	-	-
St. George Bloomsbury N.R.	16681 14864	5 5	1 6	3	1 3	-	1	-	1.7	1 -		-		-	-	-	3	-
St. Giles North N.R.	13837	5 8	2	-	1	-		-	1	-	-	-	-	1	=	1 -	-	-
St. Martin-in-the-Fields HH N.R. & C St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	1010	8	1 10	3	1 2	-	1	-	1	1 =	-		-	13	-	2	4 5	-
Strand Union Workhouse, Edmonton w. St. Geothe-Martyr HHHHHHH N.R.		11	1 8	2	3		-	-	-	1 -	-	-	-		-	1 -	1	-
		6	4 2	1	2	=	1	-	1 =	-	-	-	1:	-	=	1 -	1 1	-
St. Andrew Leavent To Sattron Hill H - N.R. St. James Clerkenwell - N.R. Amwell Clerkenwell - N.R. Pentonville - N.R. Old-street - N.R. Old-street - N.R.	17516 19281	8 9	4 6	1	1	-	-	-	1 -	1	-	1	1 3	-	-	1	-	=
Pentonville N.R. Gaswell-street N.R.	. 14773 . 17506	12 20	, 6	3	2	-	-	-	1 1	-	-	-	1:	-	-	ī	1 =	-
City_road HHL " N.S.	. 11541 18628	7 22 10	7	2 2	2	-	1 -	1 -	1 -	1 3	-	-	-	1 =	-	-	4	-
Whiteeross-street - N.R. Finsbury Holborn Union Workhouse, Mitcham, w.	7422	10	6 -	-	1 -	1 =	1 -	-	-	-	-	-	-	-	-	-	-	-
St. Botolph H N.K.&E.	11174	5	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate St. Sepuichre H St. Bride W Althallows Barking	7193 5358 8396	2	14			-	=	-	-	1 -	-	-	1:	-	ĩ	3	14	-
Allhallows Barking - N.I.	13686	-	1			1 =	-	-	-	1 =	-	-	1:	1 -	-	1 -	-	1
	- 1			-				1			1 -	-		-	1 -	1 -	-	

Norm.—The Italia letters placed against the names of the sub-districts denote Public Institutions eithated therein, namely: W-Work-Tow & H-Rosswal; L-Lunatic Asylum; w-A Workbouse Establishment receiving inmates from other Districts than that in which it stands see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifts Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East London; and K. the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

iaturday, the 16th February, 1889	9.																	
							Th	e DE	ATHS	regist	ered	in the	Wee	k in	lude			
	Enume-			Dea	ths of					,	hs fro	m						1:
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or Typhoid) Fever.	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
Fast Districts.  Folywell Shoreditch - N,R, & E.L.  1. Leonard Shoreditch + HL* - N.R.  2. Leonard Shoreditch - N.R.  Boxton New Town 9 N.R.  Boxton Old Town N.R.  2. Aggerston WH - N.R. & E.L.	7376 14967 29987 28086 46275	3 10 20 16 28	2 6 13 6 14	1 - 4 1 2	- 2 5 1 8	1111	11111	11111		1111	11111	11111	11111	11111	1	1 - 1	2 8 6	
Flackney-road H E.L. Freen, Bethnal Green WHL* - E.L. Flown, Bethnal Green - E.L. Flown, Bethnal Green - E.L.	29738 47932 29981 19810	81 38 20 17	7 25 11 4	3 1 8 -	1 9 2 2		1	1111	-	1111	1111	1111		1	1	1 1 -	111	1111
Spitalfields E.L. & N.R.	22585 15473 17490 9713 6102	15 15 15 1 4	4 4 21 - 2	2 -	1 1 - 2	11111				11111	11111	1	1 1 1 1	11111	1 1 1	1	3 16	11111
it. George's, North E.L. it. John, St. George East W - E.L.	38747 8410	28 7	13 8	1 2	1 5	:	-		2 -	-	-	1	-	1 -	-	2	5	-
hadwell HH - E.L. N.R. lateliff E.L. L. imehouse E.L.	10395 16107 82041	4 7 27	4 8 10	1 1 4	1 2 2	-	-	-		-	-	-	-		- 1	- 1	8 -	-
dîle End Old Town West E.L. Wile End Old Town East WwwH- E.L.	37960 67653	25 45	8 35	3 5	3 19	-	-	-	· -	-	-	-	-		-	1 8	8	-
Bow 7 E.L. Bromley www.H E.L. Poplar WWH E.L.	87074 64359 85077	20 44 85	19 38 19	8 6 4	3 15 8		- 2	- 1	- 2	-	0 - 2	1 -			1	1 1 3	4 14 1	=
SOUTH DISTRICTS.	13663 14999 21381 15958 21318 26672 59555 21623	8 8 12 7 19 18 40 21	6 3 7 7 2 9 18 3	1 1 5 8 1	5 1 1 - 2 2 1	11111111	1	1111111	1 1 1 3 1 1 1 1	1 2 -		11111111	1111111	111111111111111111111111111111111111111	1111111	1	1 - 5 - 4	1
t. Olave WH S. & L. eather Market S. & L. t. Mary Magdalen W - S. t. James Bermondsey - S. lotherhithe WH S. & K.	11956 16300 15669 54688 36024	12 7 13 86 24	18 4 4 17 18	4 2 - 7 4	- 91 91 91 44		1	11111	1	1 1		2 1 1 1 1		1	1 1	1 2 1	12 7	1 - 1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	15195 16351 19876 39859 45292 85882 62837 19017	10 21 10 24 25 28 37 16	6 18 30 15 8 25 8	1 -4 5 8 2 7 2	1 3 9 2 1 7	111111	1 1 1	1111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 2	1111111	1		111111	3 - 1	8 - 1	9 19 -	1
ast Battersea	54675 52587 86380 28004 18235 25558	50 47 18 29 6 15	18 25 14 14 1 1	8 5 8 4 1	5 4 5 2 - 4	111111	2	111111	111111	2			111111	111111	1 1 1	1 2 2	6 2 -	1
ulwich L. & S. amberwell $WwL^*L^*$ - S. & L. & K. eckham $W$ - S. L. & K George Camberwell - L. & S.	5590 59104 71089 50810	1 40 48 40	87 29 21	- 5 6 5	12 7 4	1111	2 3	1 1	-	3 1 2	-	-			2 1	1 2 1	20	1 - 2
Paul Deptford was - 'K, Nicholas Deptford K, teamwich West H K, reenwich East WHH K,	76752 7901 21972 24608	70 8 14 31	34 2 9 17	4 1 8 5	7 - 2 4			8 -	1	3		1			2 - 2 -	2 2	1 12	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	1 10 12 9	- 4 7 9	2 4 2	1 1 8			-	-			-	-					1
arlton H K, oolwish Dockyard K, oolwish Arsenal HH K, umstead, West H K, umstead, East W K,	10980 17617 19048 14009 19241	7 7 15 6 80	8 1 12 5 6	2 1 1 1 1 1 1	1 2 2 2 2	11111	11111		ī	1					2 -	2	2	1
etropolitan Asylum Hospitals: Dartford w Winchmore Hill w	:		1	-			7	1 -	-	-	-	-		-	111	-	ī	-

following WORKBOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the Table by w:-

Maylebone Infirmary in Kensington Town sub-district.

Sential London Sick Asylum in Tottennam Court-road sub-district, and the sub-district of the

Stepney Workhouse in Bromley sub-district.

Poplar & Niepney Sick Asymm
westminster Union Industrial School in West Battorses sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.

Metropolitan Asymm District Hospitals in Fulbam, Hampstead, Hackney, Britton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LUNDON .- OUTER RING. - AREA; POPULATION; BIRTHS and DEATHS registered during the

			V	Veek	endii	ig Sai	urday	, 16t					_					
		Area						T	he Dr	ATHS	registe	red in	the W	reek ii	nelude			
Regis-		in Acres,	Enume-			Dent	hs of			1	Deaths	from					0	100
District	REGISTRATION	inclu-	rated	E S	cus.	1 .	60 'd8.					Whooping-cough.		Ш		.080	Deaths in Public	Uncertified Caus
and Sub-	SUB-DISTRICTS.	Tidal	Popu-	BIRTHS.	DEATUS	of Age.	aged & upw	и		Scarlet Fever	ris.	18-0C		350.	, .	Inquest Cases	in I	ifled
district		Water	1881.	B	Q	ar of	ons sur	0d-11	sles.	let E	Diphtheria	oopii	er.	Diarrhoss	Violence.	luest	aths	icert
Num- bers.		Fore-				Infants Year	Persons Years &	Small-pox.	Measles	Scar	Dip	Wb	Fever	1)18	Vic	Inc	De	n n
										-	4	13	3	4	11	21	31	12
LO	TDON-OUTER RING	370.924	950,957	723	378	. 87	106	-	6	1		70	-	-	-			_
00.7	Claushalden auf	12228	21118	12	7	2		4	1	-	-	-	-	-	-	-		-
30:1	Carshalton wL - Epsom (part of)* WwH	9971	10710	5	. 3	2	23	-	-	-				.1				
37:1	Godstone (part of) * -	2754	1235		1			-	-	-	-	-	- 1	10	-	-		
38:1	Croydon WwHHL -	20851	101241	87	88	7	10	-	1	-		3	-	-	1	2	8 -	-
2	Mitcham w †	11697	17932	-6	9	3	2 2	-		_			-	1	-	-	-	-
39:1	Wimbledon HHH - Kingston WHH	3220 8549	15950 36351	13	27	8	14	-	-	-	-	1	-	1	- 1	-	2	1
8	Esher (part of) * -	6601	9221	8	8	-	2	-	-	-	-	-	_	_	-	_		
4	Hampton H	4573	13539	10	10	3	3			_	_	_	-	-	-		-	-
40:1	Richmond WH	2272	21302 12331	12 12	4 2	3	1	-	-		- 1	-	-	-	-	-	-	1
41:1	Bromley (pt. of) * HH	15849	81142	22	11	1	2	-	-	-	- 1	1	-	-	1	1	2	-
2	Chishrst(pt.of)* WHH	į	15844	8	4	-	2						_	_	3	8	-	-
42:1	Bexley H - ~ ~ Dartford (Ww, pts. of)*	18437	24134	10	12	2 ~	4			_	-	-	-	-	-	-	-	-
124:1	Sunbury 10	11055	11695	10	1	~	-	-	-	-	1	-	-		-	-	2	-
2	Staines W	13277	12089	3	7	2 2	8				_	-	-	-	-	-	-	-
125:1	Hillingdon WHH - Uxbridge	6178	10302 3225	8	3 2	1	-	-	-1	-	-	-	-	-	1	1	-	-
8	Hayes wHL	14537	11523	9	6	1	8	-		-	-	1	_				2	
126: 1		7008	22727 12479	11 8	6 2	2	2	-	_	_	-	-	1	-	-	-	1	-
8	Brentford HL	4345	27649	23	9	-	8	-	-	-	-	-	-	-		1	1 -	-
1 4	Chiswick	1340	15975 22876	10 29	10	1	2	-	-	_	-	1	-		1.	-	-	-
127:1		13809	12796	10	1	-	1	-	-	-	-	-	-	-	-	-	-	-
		0000	3749 27453	85	13	4	4	-	-	-	1	1	-	-	-	1	1 -	
	AA THORGAN -	8382	10484	12	7	1	2	-	-	1	-	-	-	-	-	-	1	-
137 : 3		9331	6621	2	8	-	2	-	-	-	-	-	-	-	-	-	1.1	-
	2 Watford (W, pt. of)*	15599	6391		1	-	1				-				1	1		-
128:	1 South Mimms 2 Barnet	5433	10092	5 2	5	-	4	-	-	-	-	-	-	-	-	1	1	-
	3 Finehley HL -	4638	1	7	16	-	3	1 -	-	-	-	-	-	-	-	3	8	
185:		- 3306 - 3039		-	-	1:	-		-	-	-	-	-	-				
129:		- 3039 - 4642			81	10	8	-	1	-	2	2	-	-	2	3	1	1
	8 Edmonton Ww \$ . 4 Enfield WH	- 7483 - 12658			11	1	-	-	-	-	-	-	-	-	-	-	2	
	5 Waltham Abbey -	- 11017	5368		- 15	_	4	-	-	-	-	-	-	-	-	-	-	1
	6 Cheshunt	- 8490		4	2	-	-	-	-	-	-	-	1	-	-	-	-	-
186 :		- 889 7351				_			1	-	-	4	-	1 -	1	1 2		1
1	3 Leyton WwL -	- 4372	32430	43	18	6	2	-	1	-	-	1	-	-	-	-	2	
187		- 65% H 1176				-1		-	-	-	-	-	-	-	1			
10/			- 9053					-	-	-			1					
189					- 11				-	-	-	-	-					-   -
1	3 Harking Town	- 849			- 1	B 1	1	_	-									

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow.—
30:2. Epsom sub-district, except the parishes of Ashstead and Readley (pop. 1285); 37:1, the parishes of Wariingnam and Farley in Godstons sub-district; 39:3. Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromiey sub-district, except the parishes of Cadham and Knockholt (pop. 1818); 41:2. Chielenurat sub-district, except the parish of Roydon Bois (pop. 947); 135:1, the parish of Northaw in Hatdeld sub-district; 187:1, Chiewell sub-district, except the parish of Theydon Bois (pop. 947); 139:1, the parish of Northaw in Hatdeld sub-district; 187:1, Chiewell sub-district, except the parish of Workhouses, belonging to Metropolitan Romford sub-district; 42:2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts, deaths in Workhouses, belonging to Metropolitan Police District.

† Exclusive of deaths of London residents in Strand Union Workhouse (see Table 5).

† Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum; Hospital, Winchmore Hill (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROP :LITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 16th February, 1889.

		Area			AL RATE			The DE	ATHS	regi	stere	d in t	he W	eek	includ	le	
	GREATER	in Acres,	Estimated Population.	per 1000	RTALITY 00 living.	DEATHS	Deat	ths of		,	7	Deaths	s from	m			Public ions.
V	LONDON.	including tidal water and foreshore.	middle of	From	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	nall-p	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhea.	Violence.	Deaths in Pulastitution
	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
ĠR	REATER LONDON	448,334	5.642 015	17.5	1.6	1894	413	506	-	49	7	28	44	16	14	55	406
	INNER LONDON - OUTER RING -	77,410 370,924	4,351,738 1,290,277	18°2 15°3	1.6 1.3	1516 378	326 87	100	-	43 6	16	24	31 13	13 3	10 4	44	375 31

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,540,696 Persons.

			00										
	Population					ANNUAL	DE	ATHS		PRIN	ES.	ZYMO:	
CITIES.	(enumerated or estimated).	DATE OF RETUR Week endi		BIRTHS. Exclusive of	DEATHS. f Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
CALCUTTA - 😁	433,219	November	24	-	- · <u>-</u>		-	-				_	_
BOMBAY	773,196	January	22	- 1	-	- '	-				<b>Z</b> -	-	-
MADRAS	398,777	3)	4	296	402	52°4	-	5	3	2	9	100	75†
PARIS	2,260.945	February	9	1339	1013	23.3	1	36	3	36*	9	12	52
Revesers - (with 8 Faubourgs.)	462,069	10	9	270	201	22.6	-	2	-	-	1	2	13
AMSTERDAM .	890,016	. 99	9	- 282	179	23°3	- '	17		6	4	2	~
ROTTERDAM .	197,723	39 .	. 9	153	101	26.2	-	1	-		1	-	
THE HAGUE -	153,440	19	9	122	- 50	17:3	-	٠.,	-	-			~
COPENHAGEN -	807,000	33	2	207	115	19.2	-		,	1	1	2	5
STOCKHOLM .	221,549	39	2	144	87	20°4	-	-,	3	6*		-	3
CHRISTIANIA .	135,600	13	9	94	55	21.1	-	1	2	5	1	-	в
St. Petersburg	842,883	. 19	2	-	578	35*8	-	-	18	8	1	23	77
BERLIN	1,470,582	January	26	921	597	21.1	-	-11	4	28	11	. 5	35
Hamburg(State)	550,694	February	2	388	321	30.4	-	-	2	14*	4	2	43
DRESDEN	264,196	33 - 1	2	164	101	19.9		-	-	7*	5	-	3
BRESLAU	313,451	33 .	9	202	177	29.6	70	1	-	8*	1	-	11
MUNICH	281,000	22	2	195	175	32.4	-	5	4	8*	3	- 7	21
VIRNNA	811,434	30 ,	2	647	413	23.3	-	2	5	14	4	5	21
PRAGUE	300,828	" "	2	-	182	31.6	25	- 8	1	6	1	ð	3
BUDA-PESTE -	452,907	133	2	389	255	29.3	-	1	3	6	1	6	20
TRIESTE	158,084	33	2	-	108	35.2	4	-		3*	- '	1	1
Rome	402,232	December	22	288	247	32.0	4	7	~	6	1	16‡	6
TURIN (10 days)	294,826	January	10	-	-	-	-	-	-		-	-	-
VENICE	153,218	20	26	84	79	26.9	1	2	-	-	-	7	10
CAIRO	374,838	,,	24	438	312	43.4	-	-	-	4*	4	18	100
ALEXANDRIA -	231,396	n	24	247	225	50.7	1	4	-		-	10	44
NEW YORK .	1,549,500	,,	26	-	753	25°4	-	22	55	40	12	9	8
BROOKLYN -	814,505	"	26	-	360	23.1	-	14	- 11	33	6	1	2
PHILADELPHIA -	1,040,245		26	-	355	17.8		-	9	12	4	10	3
BALTIMORE -	500,343	10	26		157	16.4	-	-	2	2	-	5	3
	1					1							

<sup>\*</sup> Including deaths from croup.
† Including 3 deaths from Cholera.
‡ Including 6 deaths from Malarial Fever.

Table 9.—METEUROLOGICAL OBSERVATIONS taken at the Roxal Observatory, Greenwich, during the Week ending Saturday, 16th Eebruary, 1889.

[Under the Superintendence of the Astronomer Royal.]

1889   The street of the control o										M	eteor	olog	ica	l	Ubser	vations							
Phases   P	_		zone.		0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.1	27	ea: no	of the	r, and adding imum	duced Lygro-	raphic ement	below l. and	in the	g; and	to the	9.23 in.
Phases   P	Rain	in a Gauge		above the Ground.	in. 0.28	96.0	10.0	0.17	0.38	0.00	0.11	Sum 1.19	26		means	in a discondence of the max	y are de isher's I	e photog ntal mov 1875. "higher	two feet Deptfor	ions fro	strumen	applying	ased to 2
Phases   P	1 00			Depar- ure from Average of of Sears.	Miles.	12	199	+ 63		+152		Sum +107	25	an level	oulb the	for the corrected dings of emperate	humidit s by Gla	ion of the following sending	opth of arket at	instruct ring Elec	oderate; shine In	rstood as	h; decre
Phases   P		Total	Коргизог	ovement to the Air on each Day.		_	240	403	3.54	453	356	Sum 2281	24	ve the me	vel. and 3h. I	ctions actually 1873 With the of the ret	legree of	a discussion that one 16 years	ed at a de Cattle M	t, under lf-register	okes Sun	be under	n the 12t
Phases   P	nometers.		1			1 :	1.0	7 1	9.0	6.0	4.0	:	23	foot abo	to sea le	years eu years eu leters. d mean daily va	e and a	d from	suspend Foreign	Marke son's se	w. wea	ay. s are to	n. 2. v. on 9h. A.M
Phases   P	n Anen		re Foot		bs.	9	0.0		0.0	0.0	0.0	:	2.5	150	duce done	ation renty rrecte	eratur vet br	lerive endin recor	s are	f the Thom	cam Cam	ach d	29 67 by 91 m, by
Phases   P	uced fror		Pressu		_	# :	1.0	9 1	7 .6	6.7	4.1	:	21		gs to re	applic the tw the the the co	t temp	that of years	Thame	Clerk	N. neg	observed on one	d from 13 in.
Phases   P	Wind as ded	Osler's.	Direction.									riable.	020	the second second second	orn of the Darge to the teading y taken at 9h. A leter, the dry by	ds made during ending 1868 for ster is combined	daily dew poin	tre of the air is ch during the 2	rage. he water of the	tered by the	-F. positive;	of bright sunshimeteorologica meteorologica ght to midnigh	increased to 30
Phases   P				A.M.		NW.&WSI	ESE, NE.	N. & WNW	SSW. & SV	WSW. &		Val	18		of the ciste been applic s are usuall the barom	aphic recoremty years	The mean daily va	temperatu at Greenwi a discussi	the column nan the ave meters in t	s are regis f London.	loyed are:	duration of all the rom midning	of the bard the 10th;
Phases   P		Toton	names ford.	Low- est.	0	37.1	36.5	34.7	34.1	34.7	6,22	35.4	2	04	ight calling ations of ness of	d into	8). (8	verage nude a	ding	ading	ecord empl	regate esults y, or fr	sading.
Phases   March   Phas	ATITEE	Lotte of	of the Ta	High-	0	38.7	37.7	87.8	36.0	36.5	37.5	37.3	17		The he rection observed of the contraction of the c	nverte the ph uring t	om th	The a cords the air	In rea	neir re	ymbols varial	he agg The rivil da	There
Phases   Mistor   Phases   P	MPER			Lowest on the Grass.	0	16.5	8.55	15.6	18.4	33.8	0.88	22.3	18	-11	8 8			B 27					, ,,,
Phases   Continuo   Column	a.u.		Of Radial		0	43.0	53.5	67.3	41.0	9.03	48.3	54.7	1	TO TO		Sno and con	e grou	ning.	y. Snc	g; fine	fternoo	wery	
Phases   Continuo   Column		Journal	of Hu-			69	***	7.0	97	% i	16	34	1	14	KS.	n noon of the d	throug on th	in mor	generall it then night.	evenin	ed till a	and sh	
Phases   Continuo   Column	an rada	ween	int re.		0	1.7	0.2	1.0	0.0	0.4	0.0	6.0	9	13	EMAR	ast from	v fell of snov	ry cold	ercast P.M.:	ny till	prevail day.	ereast at night	
Phases   Continuo   Column	CIE D	Tempe	Dew Po	Great-	0	12.4	1.1	8.4	7.5	4.0	13.6	00	1	17	AL R.	overcortly b	Snor	J.A.	and 1h	nd rai	f cloud A fine	ng; or	
Phases   Continuo   Column	Under	Differe	and	Mean daily value.	0	20.00	4.5	9.0	1.0	1.1	00 61 00 48	4.4			NER	ning; ing sho uring t	erally.	y cloud	mornin 1. A.M. continu	omy, a	unts of	morni	
Phases   Continuo   Column						8.06	2.95	53.5	30.2	6.24	3.4.8	6.60		10	GI	in mor	ast gen	partial	cold in veen 111 which	ast, glo	ble amo	in early	
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Phases   P		RATU	÷.			8.67	30.7	28.0	31.5	41.0	38.9	94.9	0 # 0	œ	n above orizon, boure.	9.6	2.6	8.6	8.6	6.6	6.6	10.0	Sum 68.7
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1889.  MONTH AND DAY.  PERBUTAL SUN.  TUURS.  TUURS.  WED.  SAT.  SAT.  SATURDAY  MONDAY  THUTSDAY  THUTSDAY  THUTSDAY  THUTSDAY  THUTSDAY  FRIDAY  SATURDAY  SATURDAY		-				T.	13			14	15	3	•	:			=	12		14	15	16	
			1889.	Монти ам	-	FEBRUAR	NOW.	mon.	WED.	THURS.	FBI	DATE	MEANS	No. of Col.	DATE.	SJUDAV	Монрач .	TUESDAY .	WEDNESDAY	THURSDAY .	FRIDAY .	SATURDAY.	

#### WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

## TWENTY-SEVEN OTHER GREAT TOWNS.

## By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office. AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 8. 1889. Vol. L.]

WEEK ENDING SATURDAY, FEBRUARY 23.

Price 1 d.

General Register Office, Somerset House, 25th February, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19.9 per 1000 of their aggregate population, which is estimated at \*9,555,405 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

		Weeks	ending		The second of		Weeks ending
Towns.	Feb.	Feb. 9.	Feb. 16.	Feb. 23.	Towns.	Feb.	Feb. Feb. Feb. 23.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull -	18·7 33·6 20·0 16·9 16·7 19·1 23·1 20·1 19·3 20·2 14·8	18·7 32·3 20·0 17·1 11·1 19·1 20·8 21·2 20·6 18·0 15·3	28·4 22·7 21·5 16·7 23·2 19·0 18·0 15·4 21·9 17·6	$\begin{array}{c} 20 \cdot 2 \\ 27 \cdot 5 \\ 20 \cdot 5 \\ 15 \cdot 1 \\ 10 \cdot 7 \\ 18 \cdot 7 \\ 22 \cdot 2 \\ 27 \cdot 0 \\ 19 \cdot 3 \\ 17 \cdot 4 \\ 16 \cdot 8 \end{array}$	Newcastle-on-Tyne* Norwich Nottingham - Oldham Plymouth Portsmouth - Preston Salford* Sheffield	18·8 25·5 24·0 28·7 20·0 22·7 14·7 14·4 22·5 23·4 20·9	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Leeds - Leicester* -			18·2 13·9	$20.9 \\ 20.8$	Suuderland - Wolverhampton -		$\begin{vmatrix} 17.9 & 21.4 & 22.2 \\ 22.1 & 18.3 & 24.7 \end{vmatrix}$

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.8 in Salford, 1.9 in Wolverhampton, 2.0 in Bristol, 2.5 in Manchester, 3.7 in Oldham, and 5.2 in Blackburn; from scarlet fever, 1.7 in Blackburn; and from whooping-cough, 1.5 in Oldham and in Preston, and 2.2 in Nottingham. The death-rate from "fever," did not reach 1.0 in any of the twenty-eight towns. The 39 deaths from diphtheria in these towns included 27 in London, 6 in Salford, and 2 in Manchester. No death from small-pox was registered in any of the twenty-eight great towns.

## LONDON.

In London 2695 BIRTHS and 1567 DEATHS were registered. Allowing for increase of population, the births were 210, and the deaths 276, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17.5 and 18.2 in the two preceding weeks, further rose last week to 18.8. During the first eight weeks of the current quarter the death rate averaged 20.0 per 1000, and was 3.6 below the

mean rate in the corresponding periods of the ten years 1879-88.

The 1567 deaths included 70 from measles, 14 from scarlet fever, 27 from diphtheria, 31 from whooping-cough, 1 from typhus, 8 from enteric fever, 16 from

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated and those for Newcastle-upon-Tyne and Cardiff over-stated.

diarrhoa and dysentery, and not one from small-pox, ill-defined forms of continued fever, or cholera; thus, 167 deaths were referred to these diseases, being 49 below

the corrected average weekly number.

No death from small-pox was registered, the corrected average being 12. No small-pox patient was under treatment at the end of the week either in the Metropolitan Asylum Hospitals or in the Highgate Small pox Hospital. The fatal cases of measles, which had declined in the six preceding weeks from 176 to 43, rose again last week to 70, and exceeded the corrected average by 37; 11 belonged to Islington, 4 to Bethnal Green, 7 to Bermondsey, 8 to Lambeth, 5 to Battersea, and 6 to Camberwell sanitary areas. The 14 deaths from scarlet fever showed a decline of 2 from the number in the previous week, and were 17 below the corrected average; 3 belonged to Hackney, and 3 (including 2 at 102, St. Ann's Road) to Mile End Old Town sanitary areas. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 643 scarlet fever patients, against numbers ranging in the fourteen preceding weeks from 980 to 653; 53 cases were admitted during the week, against 65, 52, and 43 in the three previous weeks. The fatal cases of *diphtheria*, which had been 24 in each of the two preceding weeks, were last week 27, and exceeded the corrected average by 11; 5 belonged to Kensington, 2 to Hackney, 2 to St. George-in-the-East, 2 to Stepney, 2 to Poplar, 2 to Newington, and 4 to Lambeth sanitary areas. The 31 fatal cases of whooping-cough corresponded with the number in the previous week, and were 63 below the corrected average; 8 belonged to the West and 11 to the South groups of sanitary areas. The deaths attributed to diarrhea and dysentery, which had been 18 and 10 in the two previous weeks, were last week 16, and exceeded the corrected average by one.

The deaths referred to enteric fever, which had been 5 and 13 in the two previous weeks, declined again last week to 8, and were 6 below the corrected average. The death of a child aged 11 years, at 11, Cavendish Grove, Lambeth, was attributed to typhus. The Metropolitan Asylum Hospitals contained 48 cases of enteric fever, and one of typhus on Saturday last; 3 cases of enteric fever were

admitted during the week, against 5 and one in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 340 and 376 in the two preceding weeks, declined again last week to 362, and were

138 below the corrected average.

Different forms of violence caused 65 deaths; 57 were the result of negligence or accident, among which were 22 from fractures and contusions, 12 from burns and scalds, 3 from drowning, and 16 of infants under one year of age from suffocation. The 22 deaths from fractures and contusions were thus caused:—5 by accidents from vehicles in the street; 2 by accidents on railway; 1 by fall from crane; 2 by fall in street; 3 by fall down stairs or steps; 2 by fall on board ship; 1 (intoxicated) by fall on fender; 1 by fall from bed; 2 by fall, the nature of which was not stated; and 3 by fracture, the cause of which was not stated. An inquest was held in each of these 22 cases, except in one of the last three. Six cases of suicide were registered, the corrected average being 8.

The death of a female, aged 30 years, who had worked for 17 years in a match factory, was referred to "necrosis (phosphorous) of right side of upper jaw,

pyæmia."

GREATER LONDON.

In Greater London 3563 births and 1948 deaths were registered, corresponding to annual rates of 33.0 and 18.0 per 1000 of the estimated population. In the Outer Ring 12 deaths from measles, 7 from whooping-cough, and 5 from "fever" were registered. Five fatal cases of measles occurred in West Ham and 3 in Hornsey sub-districts; and 2 deaths from "fever" were returned in Croydon sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30.04 ins.; the highest reading was 30.30 ins. on Monday at noon, and the lowest 29.76 ins. 30.04 ms.; the highest reading was 30.30 ms. on Monday at noon, and the lowest 29.76 ms. on Wednesday evening. The mean temperature of the air was 41.4, and 2.1 above the average in the corresponding weeks of the 20 years ending 1868. The mean exceeded the average on each of the first four, and were below the average on each of the last three days of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 15.2 miles per hour, which was 2.8 miles above the average in the corresponding weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0.05 of an inch. The duration of registered bright sunshine in the week was 14.9 hours, against 14.5 hours at Glynde Place, Tayers. Lewes.

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KTHS		Death	ts under of sar of	₹ _	4.	832	3.14	60	12	20	20	12	84	21	21	6	10	20	6	37	000	16	12	14	. ro	65	40	27	19	6	14		14	22 03
IABLE L DIK.	during	nding	. 1	DEATHS.	:0	3640	1567	25	30	56	82	39	176	09	71	51	35	559	45	806	94	1,0	3 3	80 27	30	68	143	128	29	22	71	2	105	200
LABLE	Registered during	the Week ending	7010 T. CO. T. C	BIRTHS, D	63	5995	2695	59	104	43	159	53	303	98	173	43	53	328	38	569	137	98	73	36	37	118	214	213	144	26	136		971	2385
	2	Z.	to the middle of the Year 1889.	-	1.	9,555,406	4.351.738	121,807	141,253	78.225	229,361	82,544	454,835	150,520	237,812	68,529	102,511	606,562	114,670	378.800	234.283	142,405	121,275	491,194	81,080	235,056	357,449	827,227	208,017	184,168	160.983		266,200	528,144
	-	<u>-</u>			Cols.		•	٠	•		•	TON	•		•	٠	•		91	•	٠	٠	•		•	•	٠	•	•	•			•	
		D'ALTERIO	AND BORUUGHS.		3	28 Towns *	- MOUNO.	BRIGHTON .	PORTSMOUTH	NORWICH .	REISTOL -	WOLVERHAMPTON	MARNINGHAM	LEICESTER *	Nouringham	DERBY	BIRKENHEAD	LIVERFOOL .	POLTON -	MANCHERTER	SALPORD* .	OLDHAM .	BLACKBURN -	HUDDERSFIELD	HALIFAX .	BRADFORD.	LEEDS	SHEFFIELD .	Hell .	SUNDERLAND	CARDIER.		ELINBURGH -	GLASGOW -

Table 2. LONDON.—Births and Deaths Registered in the Eighth Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
TOTAL Births  Males Females .	2497	2746	2632	2812	2755	2538	2709	2712	2769	2473	2905·3	2695
	1222	1432	1348	1449	1385	1926	1406	1402	1868	1208	1476·6	1841
	1275	1314	1284	1363	1370	1212	1303	1310	1406	1265	1428·7	1854
Total Deaths Males Females .	1645	1662	1525	1941	1554	1552	1569	1988	1691	1772	1842·8	1567
	819	872	817	961	807	817	823	1006	847	874	942·5	762
	826	790	708	980	747	785	746	982	844	898	900·3	805

The numbers in this column are the average weekly numbers in the eighth weeks of the ten years 1879-88, raised by 9.046 per cent, for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

		-	1		}	1	1		_			1	
	Dec.	Dec. 8.	Dec. 15.	Dec. 22.	Dec. 29.	Jan." 5.	Jan. 12.	Jan. 19.	Jan. 26.	Feb.	Feb.	Feb. 16.	Feb.
TOTAL Births	2367	2644	2291	2655	1876	2855	2668	2837	2599	2662	2772	2511	2695
TOTAL Deaths	1352	1461	1455	1802	1641	1784	2075	1769	1620	1570	1460	1516	1567
Ages at \ \begin{pmatrix} 0-20 \text{ years} \\ 20-40 \\ 40-60 \\ \ \\ \end{pmatrix}. \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	701 164 217 223	765 177 243	720 178 247	888 197 286	779 173 277	825 204 308	850 218 393	776 197 288	709 162 280	714 158 270	650 181 243	655 182 279	666 202 278
Death 60-80 , - at 80 years & upwds		228	251 59	356 75	335	366 81	506	428 80	394 75	338 90	313	322	337
\\ \begin{pmatrix} \text{Under 1 year} \\ \frac{1-5}{5-20} \end{pmatrix} = \frac{1}{5} \\	327 288 86	375 296 94	307 314 99	390 375 123	345 341 93	372 338 115	373 370 107	373 315 88	325 281 103	370 250 94	324 233 93	326 247 82	344 238 84
Deaths from Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	_
" " Measles " " Scarlet fever -	141	139	154	184	147	143	176	121	83	71	56 12	43 16	70
", ", Diphtheria -	34	35	39	39	34	33	21	38	33	38	24	24	27
,, ,, Whooping-cough ,, ,, Typhus	20	13	14	25	28	32	37	36	24	38	33	31	31
" , Enteric fever -	11	12	18	12	8	14	10	. 7	10	10	5	13.	8
,, ,, Diarrhoea and	13	19	11	16	14	11	1 12	11	1	1	-	-	-
Dysentery - S	1	-	-		-	-	12	-	24	13	18	10	16
" ", all the above- ) mentioned Diseases	245	249	253	301	251	246	275	232	195	182	148	138	167
" " " Dis. of Respira- ) tory System }	258	277	330	440	412	484	652	492	456	409	340	376	362
" " Phthisis	136	144	1	158	152	154	187	136	152	138	140	158	156
, ,, Dis. of Circula- tory System }	96	101	109	127	130	160	195	155	141	142	132	120	130
Violent Deaths Inquest Cases Deaths in Public Institutions	54 108 311	62 120 302	40 86 353	81 154 395	52 107 335	61 132 360	58 143 398	69 121 386	50 102 401	55 104 382	49 91 314	44 98 375	65 114 354
TEMPERATURE OF THE AIR	45.7	49.1	38.3	40.4	42.5	31.8	35.3	37.8	38.5	43.1	35.6	34.3	0 41.14
Mean of Highest readings - Mean of Lowest readings -	49.6	54·0 43·6	38.8	44·4 36·0	47·3 56·6	36·1 27·1	39·7 90·9	41·0 34·0	43.8	49.4	41.9	40.9	47·3 36·2
Humidity of the Air	89	87	93	94	90	93	98	87	93	88:	81	84	81
Rain-fall in inches	1.77	0.17	0.00	0.13	0.66	0.00	0.49	0.02	0.15	0.22	0.80	1.19	0.05
Registered Sunshine (in hours)	6.0	11.5	3.8	6.2	4.6	3.2	2.7	1.5	5.3	13.0	7.4	8.7	14:9

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Marrifield, Esq., LLD., Plymouth: R. C. Cann Lippincott, Esq., Bristol; F. Sunpson, Esq., Wrottesley, Wolverham; J. Henry Tomkins, Esq., M.D., Leicester; Arthur Prown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., M.R.C.S., Preston; J. Mci. anasborough. Esq., Sunderland: and Wm. Lvall. Esq., Newsatle-on-Tyne.

TABLE 4. LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the

TABLE S. HO.	NDON.				Eig	HTE	T W	eek	of	the Year 1889.	iroin d	nerei		JA U	545	FIE	tne		
	for the years	Sa	In turd	the ay, 2	Weel 3rd F	ebru	ling ary	1889.	-		the	Sa	I	n the	Wei	ek er	nding	1889.	
	s tor 10 ye		De	aths	of Pe	3rs01	ıs of				se for the			aths	of Pe	erson			-
	Averages iks of the 10 1879-88.*		l ,		1	40,	0.	80.		dia	ected Averages Weeks of the 10 1879-88.*		-		18 A	• 1	60.	ا ه	-
CAUSES OF DEATH.	Ave 9ks 0 1879	*85		nder 20.		under 4	under 60	9 .	s and	CAUSES OF DEATH.	Ave 3ks 0 1879	w.		Inder 20.		under 40	under 6		B. B. B. B. B. B. B. B. B. B. B. B. B. B
	Corrected 8th Weel	AGES.			o.	and un	and un	and un	upwards.		Corrected 8th Weel	AGES			-	and un			DWards
	Corre 8th	ALL	0-1.	1-6.	5-20	20 21	40 a	60 aı	on nb		Corr	ALL	0-I.	1-6.	5-20.	20 aı	40 and		du
ALL CAUSES	1842.8	1567	344	238	84	202	278	337	84	Diseases of Organs of )									
(Vaccinated; -	7 (	-	۱	-		-	_	-	-	Special Sense †}	1.8	2		2	-	-	-	-	-
Small- Unvaccinated	12.0			-	-		-	-	-	Diseases of Circulatory System }	129.8	130	61	1	7	18	39	50	9
No Statement Measles	32.7	70	21	41	5	-	-	-	-	Croup - L	16.2	8	_	8	_	_	_		
Scarlet Fever	30.8	14 1		8	5	1	-	-		Bronchitts Pneumonia	814·5 116·2	219 99	50 18	26 25	4 5	4 9	27 19	81	17 2
Typhus Relapsing Fever †	0.0	-		_	-	_	-	_	-	Pleurisy Other Diseases of Respi-)	6.4	4	- 8	1	1	-	2 7	8	-
Influenza	0.5	-	П	-	-	-	-	-	-	ratory System}	46.8	32	°	6		1	Ĺ	°	1
Whooping-cough Diphtheria	93.7	31 27	14	17 16	10	-		-	-	Dentition †	18-4	14	10	4	-	-	I-	-	-
Simple Continued and	1'4				_		-		_	Quinsy, Sore Throat † - Enteritis	2·1 6·3 7·5	10	3	2 -	î	4	-	2	-
Ill-defined Fever - 5 Enteric Fever	13.7	8	-	1	2	3	1	1		Peritonitis Diseases of Liver	30.0	6 29	2	1	-	5	3 12	9	-
Cholera =	0.3			-	-	-	-	Ĥ	· -	Other Diseases of Digestive System -	32.3	28	5	1		7	7	7	1
Diarrhea, Dysentery -	0.2	16	10	2	•		- 1	3	1	Disasses of Lymphotic		-		-		_			-
Remittent Fever† Hydrophobia	0.0	-	-	_	-	_	-			Diseases of Lymphatic ) System & of Ductless   Glands †	2.9	2	-	-	-	1	1	-	-
Glanders	0.0	-		-	-	~	-	1									-		-
Cowpox and Effects of Vaccination †}	0.0	-	-	-	-	-	-	-	١	Diseases of Urinary System	39.6	30	1	1	1	в	9	10	2
Venereal Affections - Erysipelas	11.1	7	3	1 -	-	1	1	1					-	-			-		-
Pyæmia and Septicæmia †	8.3	1	-	-	-	-	-	1		Diseases of Generative	5.2	8	-	-	-	1	-	2	-
Puerperal Fever	6.3	6	-	-	-	6	-	-	-	Accidents of Childbirth -	3.9	6	-	-	_	6	-	_	-
Other Zymotic Diseases			-	1	-	-	-	-	-	Diseases of Locomotive	7.2	6	2	1	-	1	1	1	-
Thrush Worms and other Para-	2.1	1	1	-	-	-	-	-	-	0,000,000				-	-		-		
sitical Diseases }	0.5	1	-	-	_	_	1		-	Diseases of Integumen- tary System	6.1	8	2	-	-	-	-	1	Ŀ
Starvation, Want of Breast-milk † -	1.2	2	2	-	-	-	-	-	-										
Alcoholism	4.3	8	-	-	-	1	2	-	-	VIOLENT DEATHS. ( Accident.)									
Rheumatic Fever, Rheumatism of Heart	7.9	9	-		2	8	1	-	-	Fracture and Contusion Gunshot Wound	0.1	22	-	2	3 -	5 -	5 -	4 -	8 ~
Rheumatism †	5.5	2	-	-	-	1	1	-	-	Cut, Stab Burn and Scald	7.5	13	1		4	2	-	8	-
Gout	4.0	3	1:	-	-	-	1	2	-	Poison Drowning	5.6	3	-	-	=	1	2	1	
Riokets †	52.7	78	1 -	2	-	9	36	28	5	Suffocation	13.8	17 2	16	-	-	ī	1	-	-
Tabes Mesenterica -	28.0	17	8	9	-	-	-	-	-				-		-				
Tubercular Meningitis -	23.2	15	2	8	1 -	-	53	7	-	(HOMICIDE.)	1.3	2	١.			2			-
Scrofula, Tuberculosis -		17	5			77	1	1 -	-	Murder & Manslaughter				-	-		-	_	_
Other Constitutional Diseases †	10.8	12	-	1	2	1	6	2	-	(Sutcide.)	0.0								
Premature Birth	38.7	39	39						-	Cut, Stab	0.9	1 2 2 1			-	2	-	1	-
Atelectasis †	1 00	3	3			-	1 -	-	-	Drowning Hanging	1.3	1	ŀ		-	1 -		-	-
Congenital Malforma- tions	} 7.1	,9	8	-	-	-	-	-	-	Otherwise	0.7	-		-	-	-		-	
Old Age	- 63.6	71	-				-	34	37	(EXECUTION.)									
Apoplexy Epilepsy	48.2	43	_				18	3		Hanging	0.0	-	Ŀ		-	-		-	-
Convulsions Other Diseases of Brain	- 51.7	. 50	4		_		-	-		OTHER CAUSES † -	- 64.1	55	4	4 7	-	-	. 2	2	-
and Nervous System	} 102.8	92	1	1 1	3 6	10	18	23	5				1,				-		

the numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9'046 per cent, for increase of population, as the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

In the cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When telical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered timer, the case is returned under the heading "no statement."

Le evidence at inquests is often usuationed to enable the Coroner to certify whether a violent leath be the result of accident, murder, laughter, or suicide. All such cases are classed under "accident or negligence."

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarler during the Week ending

							The	DEA	THE	egist	ered i	n the	Wee		_		Car	
				Deat	he of					Deat								-
REGISTRATION	Enume- rated			-	de de			}			1						olid	Сациев
SUB-DISTRICTS.	Popu-	BIRTHE	DEATE	under if Age.	aged a			Fever.	à	n00-		Or Feve	d Fever.			Back.	A Pub	d Car
	1881.				ILS &	Small-pox.	les.		Diphtheria	Whooping-cough	nue.	73	le co	Diarrhea	Violence.	Inquest Cases	Deaths in Pu	Uncertified (
		Total	Total	Infants	Persons Years	Smal	Moasle	Scarlet	Diph	Who	Typhue	Enterie	Simple c	Diar	Viol	Inqu	Deat	Unce
Management of the Control of the Con	0.03 = 50.4	0.00	7507			-		14		01	1			16	65	114		
LONDON	3,815,704	2695	1567	341	421	-	10	1	7	31	-	8		4	6	15	83	17
West Districts	669,638 905,947	384 592	293 356	70	86 102	-	17	7	4	8 5	-	3	-	4	10	21	78	3 -
CERTRAL DISTRICTS	282,238	146	96	23	30	-	8	F.I	-	1	ы	1	-	2 2	7 20	10	25	2
EAST DISTRICTS	692,738	559 1014	295 527	65	70	-	36	2	5	6	1	2		4	22	36 82	83 85	11
SOUTH DISTRICTS - METROPOLITAN ASYLUM HOS-	1,965,148		021	124	188		_			_				_			-	11
LONDON					-						-							-
St. Mary Paddington WHH G.J. a.W.M.	69888	44	36	6	15		-	1	2	-	-	-	-	-	1	1 2	9	Ŀ
St. John l'addington H	87330	18 71	19	2 12	4		-		4		-	1		1 -	1	3	8	
Brompton H W.M. & C.	120141 43010	14	9	2	15		40	-	-	-	-	-	-	-		-	2	-
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J. Fulham Hager W.M. & C.J.	7899 64340	53	33	10	10	-	ī	=	1	8	-	-	-	1	9 1 1	-	-	
	42900 0396	49 17	32	2	6	-	1	-	-	3		1	-	1 -		2	9 2	
Chelses North-west WHHHHH. C. Chelses North-east C.	21925 32807	9 20	19	8 4	6	-	-	-	-	-	-	-	-	1 -	-	-	9	-
May Foir WW G.J.	80353	3 32	21 25	3 7	10	-	3	-	-	1	-	-	-	-	2	1 5	15	1
Belgrave WHHH C. St. John Westminster HHH - C.	59220 85496 24679	19	10	2	3 4 2	-	8	-	-	-	-	=	-	-		-	9 4	1
St. James Westminster WHH N.R.&G.J	29941	14	. 10	1	4	-	2	-	-		-	-		-	-	-	2	1
St. Anne Soho HHHHHHHH - NR. North Districts.	16608	8	2	-	1	-		-	-	-	-	-	-			-1	-	
I Manualahama HIIHH - W M.	26759	13	13	ī	2	:	-	-	-	-	-	1	-	-	1	1	9	-
Rectory Marylebone Will G.J. & W.M.	14991 24809	6	8 6	3 2	4 8	-	-	-	-	=	-	-	-	-	-	-	4	
All Soits Maryleone HHHH - W.M. Cavendish Square HHHH - W.M. Rectory Marylebone WII G.J. & W.M. Ciristchurch Marylebone IIII - W.M. VI Lohn Marylebone H - W.M.	83700	31 18 19	6	3 2	4	-	-	=	=	-	-	-	-	=	23	2	1 -	
Hampstead WwwHHHH N.R. & W.M.	90000	31	19	4	4	-	-	-	-	1		-	-	1	П	_	1	
Hegent's Park l'ancras II - W.M.	90115	12 11	16	3	3	:	2	1	-	-	-	-	-	-	1	1 2	- 8	-
Tottenham-court with Hill N.R.&W.M. Gray's Inn Lane HHH Somers Town H N.R. Camden Town WH N.R.	80247 84369	22 26	9	1 2	6	:	ī	-	-	ī	-	-	=	-	1	2	1 2	-
Somers Town H N.R. Camden Town WH N.R. Kentish Town W N.R.	17811 87487	10 58	14 34	8 4	9	:	-	-	-	2	-	-	-	2	1	2 3	11 5	-
Unner Hollowey WWWH N.R.	67946 100976	61 68	45 26	6 9	12 5	~	9	-	-	1	-	-	-	1	1	1	21	
taington South-west IIH - N.R. (elington South-east - N.R. Highbury H - N.R.	61895 52048	46 28	24 12	6 8	8	-	1	-	-	=	.=	1	-	-	1 -	8 -	ī	-
Rioke Newington H N.R.	22781	11 6	6	4	2	-	-	-	-	-	-	-	-	_	-	-	1	-
West Hackney II N.R.	9277 87610 76911	23 65	18	6	7	-	1	1	2	-	-	-	-	-	-	ī	ī	-
South Hackney E.L.	39588	32	12	2	8 4	-	2 -	1	2 -	-	-	ī	:	-	-	i	13	-
CENTRAL DISTRICTS. St. George Bloomsbury - N.R.	16681	8	1	-			-											
St. Giles South WH N.R. St. Giles North N.R.	14864 18837	12 2	8 6	-	2 4	Ε	2	-	-	-	-	:	-	-	-	-	2	-
St Martin-in-the-Fields HH N.R. & C.	17508	5 4	5 3	2	1	-	-	-	-	-	-		-	-	1	2	2	
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	2	8 3	1	2 3	-	1	-	-	-	-	-	-	-	ī	1	3	-
A Senten TITIBULL ST D.	18671 10706	12 8	8	2 8	2	-		-	-	1	-	-	-	-	-	-	8	-
Saffron Hill H N.R. St. James Clerkenweil N.R.	6588 17516	13	8	1 4	1	-	-	-	-	-	:	-	=	1	=	-	2	-
St. James Clerkenwell N.R. Amwell Clerkenwell N.R. Pentonville : N.R.	19281 14773	9 8	4 3	1 3	2	=	-	-	-	-	=	-	-	1	-	-	=	-
Goswell-street N.R. Old-street H N.R.	17506 11541	11 8	4 6	1	2	=	1 -	-	-	-	-	-	:	-	1	1	-	-
City-road HHL N.R. Whiteoross-street N.R.	18628 9217	22 4	4	1 -	1	=	-	-	-	-	-	-	-	-	1 -	1	1 2	ĩ
Holborn Union Workhouse, Milcham, w.	7900	-	-	-	-	=	-	-	=	-	-	-	-	-	=	-	1	-
St. Botolph H N.E.&E.I Cripplegate N.E.	11174	6 3	2 2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre H N.K.	5358 8396 13666	6	9	1 1 1	1 1 2	1	=	-	-	-	-	-	=	=	3	8	9	1
Allhallows Barking N.R. Broad Street H N.R.	13666 5652	4	1 =	1 =	-	1	-	=	-	-	=	-	-	-	-	1	-	-
how The Italia letters pieced a				-	-	-	1			1	1 -	1 -	1 -	-	-	-	-	-

Note.—The Italie latters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workbone E-Hospital; L-Lunatic Asylum; w-A Workbone Establishment receiving immates from other Districts than that in which it stands see note at the foot of pext page. The koman capitals signify the Water Companies which supply the different sub-districts; To. 2.5. signife, and K. the Kent Company, W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East London;

EVER, DIPETHERIA, WHOOPING-COUGH, FEYER, DIARRICA, VIOLENCE, &c., registered in each Sus-district

turday, the 23rd February, 1889					-			_						_	-	-		
							The	DEA	ATH8	rogist	ered i	n the	Wee	k inc	ude			
	Enume-	1			haoi		· Philosophic			Deatl	s fro	m_				1	1	
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHE.	Total DEATHS.	Intante under ! Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or Tvohoid) Feve	Simple con-	Diarrhosa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS.    olywell Shoreditch - N.R. & E.L.     t. Leonard Shoreditch   HL*   - N.R.     oxton New Town & N.R.     oxton Old Town N.R.     aggerston WH N.R. & E.L.	7376 14967 29937 28086 4627 <i>5</i>	4 6 22 19 45	1 6 14 10 24	1 1 8 2 6	2 6 3 5	11111	11.20			-	1,1111	7 4 5 1	- 10		1 1 2 2 2	1 1 2 2 2	4 6 - 5	-
ackney-road H - E.L. reen, Rethnal Green WHL* - E.L. hurch, Bethnal Green - E.L. own, Bethnal Green - E.L.	29738 47939 29981 19810	25 37 29 20	10 29 9 4	2 8 1 3	1112		3	1111		î -	1 1 1 1	1	1111	1111	4	1 5 -	13	
pitalfields E.L. & N.R. tile End New Town W E.L. Vhitechapel Church H E.L. & N.R. codman's Fields E.L. ldgate E.L. N.R. & E.L.	22585 15478 17490 9713 6102	12 27 11 5 2	4 9 20 2 2	- 5 1	2 4 8 - 1	111111			1	1 1 1 1 5	1111	1111	9 1 1 9	11111	2 -	3 -	13	1111
t. George's, North t. John, St. George East W - E.L.	88747 8410	28 10	12	5 -	2 4	-	-	-	-	-	-	2	-	ī	Į.	3 -	3	-
hadwell $HH$ E.L. a N.R. afeliff E.L. imehouse : E.L.	10895 16107 82041	13 14 25	10 6 8	1 1 3	3 -		1 + 1	-	1	1 1 1			1 1 1	1 1 1	3	3 - 2	6	
file End Old Town West - E.L. lile End Old Town East WwwH- E.L.	87960 67658	:8 41	8 31	8	3 8	-	-	3	-	î	- 1	-	-	1		4	8	- 1
tomley weedH = - E.L. tomley weeWH = - E.L. topler WWH E.L.	87074 64359 55077	85 65 81	15 39 18	6 7 8	9 5 3		111	1	- 2 1	2			111	111	3 1	8 2	1 15 2	-
SOUTH DISTRICTS.   Note that the southwark   WH   L, & S.   L. Saviour Southwark   WH   L, & S.   L. Saviour Southwark   S. & L. Sorough-road   WH   S. & L. S. & L. S.   S. & L. S. & L.   S. & L. S. & L.   S. & L.   S. & L.   S. & L.   S. & L.   S. & L.   S. & L.   S. & L.   S. & S. & L.   S. & S. & L.   S. & S. & L.   S. & S. & S. & S.   S. & S. & S.   S. & S. &	18663 14999 21881 18958 21818 26672 59555 21628	15 6 17 14 21 22 35 15	7 4 8 2 6 7 27 6	1 1 2 1 2 8 2	2 1 1 - 6 1	1111111	122.	11111111	2	1 2 1		1	111111	111111		1 2 -	1 - 3	1
t. Olave WH S. & L. eather Market S. & L. t. Mary Magdalen W S. t. James Bermondsey - S. otherhithe WH S. & K.	11956 16300 15669 54633 36024	14 10 15 37 34	26 4 10 23 21	3 3 + 3 5	3 - 0 5 8		2 - 1 6 -	11111	1	1			1 1 1 1 1	1	1 -	5 1 1	14	1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	15195 16351 19576 39559 45292 35832 62537 19017	10 14 16 84 20 23 51	7 3 17 19 18 13 26 6	2 6 2 8 7 2	1 5 6 5 4 2		7 - 2 -	11/11/11/11	1 1 1 1 1 1 1	1	1	11111111	11111111	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 1 1 - 1	8 4	1
ast Battersea	5467.5 52587 86360 26004 18285 25553	42 18 18 15 15 21	16 23 12 8 1	4 11 2 1 3	1 4 6 3 - 5	1 1 1 1 1 1	3	111111	1	1	1 - 1 - 1 - 1	111111	111111	11111	1 1 1 1 1	2 2	1	11111
ulwich S. & L. scknam W S. & L. S. & L. S. & L. S. & K.	5590 59104 71089 50810	8 55 52	1 87 22 28	1 9 4 8	8 6 8	14.1	3	- - - 1	0 0 0	1	1111		1111	1	1111	2 1 1	15 4	1 1 -
Paul Deptford cosp - K. Nicholas Deptford K. rechwich West H K. rechwich East WHH K.	76752 7901 21972 24605	70 8 13	27 2 6 15	5 1 1 2	7 3 7	1111	1 -	1	1	1111		14.1	1111	1 1 1 1	2 - 2	2 - 3	1 7	2 -
tham $H$ K, the $H$ K, the $H$ K, the $H$ K, the $H$	£648 2:549 19865 26076	4 14 12 17	2 5 12 7	2 1	2 1 4 3		-	-		1 1 1 1		1111		1 1 1 1	2	2	4	1111
larlton H K. colwich Dockyard K. colwich Arsenal HH - K. umstead, West H K. umstead, East W K.	10930 176:7 19:4- 14009 19241	9 12 15 15 27	8 6 5 2	2 2 4	1 1 7	1 1 1 1 1 1 1	l l	11111	0 4 - 1 1	A	2 1 1 1 1	4	1 6.	×0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-	ī ī
ctropolitan Asylum Hospitals: Dartford w Winchnore Hill w Plaistow w	i		111	1.1.1	1,11	1 1 4	1	111		11.1		111		1 1 1	r 1 st	1 1 1	=	

Indicated in the Table by was-

Marylebone Infirmary in Kensington Town sub-district.

Bursal London Sick Asylum. in Tottennam Cours-rose sub-district.

In Upper Holloway sub-district.

In Upper Holloway sub-district.

In London City Workhouse

Mile End Cld Town Fastern sub-district.

Mile End Cld Town Fastern sub-dist.

And Brown event district.

Stepney Workhouse in Bromley sub-district.

Popiar a Stepney Sica Asylum
Westminster Union industrial School in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.

Metronoman Asylum District Hosomas in Funcan, Hampstead, Hackney, Briston, and St. Paul, Deptord sub-districts, and in Dartford, ney, Briston, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

TABLE	6.—LUNDUM.— U		MINC	Week	endin	g Sa	turday	7, 231	d Fe	bruar	y, 18	89.						-
		Area						3	The Di	EATHS	registe	ered in	the V	Vock is	nelude			
Regis-		in Aeres,	Enume-			Dest	hs of			1	Deaths	from					0	6.0
District	REGISTRATION	inclu- ding	rated	13.	HS.	7	ds.					ugb.				.00	Public ous.	Causes
and Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS	DEATHS	of Age.	aged k upw	¥		Scarlet Fever.	ig.	Whooping-cough		156.	ນໍ	Inquest Cases.	TO	Uncertified (
listrict Num-		and	1881.	8	a	ar of	one e	Small-por.	Measles.	let F	Diphtheria	oopir	. 10 L	Diarrhosa	Violence.	neet	Deaths	certi
bers.		Fore-				Infants	Persons Years &	Sma	Mea	Acar	Uip	Wh	Fever.	Dia	Vic	Inq	De	ฏ ว
								-	12	1	3	7	5	5	7	14	49	10
LO	NDON-OUTER RING	370.924	950,957	863	381	95	95		14	-					-			
80:1	Carshalton wL -	12228	21118	10	16	П	3	-	-	-	-	-	-	-	-	-	15	-
2	Epsom (part of)* WwH	9971	10710	2	8	-	1	-	-	-	1	•	-			-		
37:1	Godstone (part of) * -	2754	1235	-	-	-		-	-	-	-	-	-	li	-			
38:1	Croydon WwHHL -	20851	101241	65	43	8	15	-	-	-	-1	1	2		2	2	9	1
2	Mitcham w †	11697	17932	17	3	2	1		-			_		1	-	1	-	-
39:1	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	9 35	9	1	4	-	-	-	-	••	-		-	-	-	-
3 4	Esher (part of) * -	6601 4578	9221 18539	11 12	1 4	1	1		-	-		~	-		-	-	-	-
40:1	Richmond WH	2272	21309	14	9	1	4	-	-	-	-	-	3	1	-	~	-	Ŀ
2	Mortlake	2941	12331	9	1	-		-	-	-	-	~	-	-	-			
41:1	Bromley (pt. of) * HH Chishrst(pt. of) * WIIII	15869 14307	81142 15844	22	6 2	2	1 1	_	-	-	-	. 1	-	-	_	_	-	-
42:1	Rexiey H	18437	24134	15	5	1	1	-	-	-	-	-	-	-	-	-	-	Ŀ
2	Dartford ( Ww, pts. of)*		-	-	1	-	-	-	-	-	-	-	-	-	-	-		
124:1	Sunbury to Staines W	11055	11695	6 9	4 2	1	1 -	-	_	-	-	-	1		-	-	-	-
125:1	Hillingdon WNH .	6029	10302	7	6	1	2	-	-	-	-	1	-	-	1	1	-	
2 3	Uxbridge	6178 14587	3225 11523	2 4	3 7	1	1	-	-	-	1 -	1			-	_	3	-
126:1	Ilayes wHL Isleworth WHH -	7003	23727	25	8	1	3	_		-	-	-	-	1		-	4	-
2	Twickenham H	2477	12479	5	3	3		-	-	-	-	-	1	1	-	-	-	-
3	Brentford HL Chiswick	1345 1340	27349 15975	12	11	6	3	-	_	-	-	-	-	_	-	-	-	-
5	Acton wH	6083	22378	20	18	3	4	-	-	-	-	-	-	-		2	2	-
127:1	Harrow H Edgware H	13909	12798	8	5	2	5	-	-	-	_	_	-	-	-	-	-	-
a	Willesden	4383	27453	52	12	4	2	-	1	-	-	-	-	-	-	-	-	
187 : 1	Hendon W	9331	6621	8	5	1 2	3		1					_	_	_	-	
20712		-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-
128: 1	1)Comple and complete	15593	6331	3	5	2	1	- :	-	-	-	-	-	-	-	-	-	-
	Barnet Finchiey HL	8433 4638	10092	9	6 7	2 2	3		-	-	-	-	_	-		-	4	-
135 : 1	Hatfield (part of) * -	3306	543	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
129:1			37078 48456	32	9	1 8	1	-	3	-	-	2	-	-	-	-	-	-
	Edmonton Ww t	7453	23443	69	9	1	6 -	-	1	_	-		-	_	_	_	3	-
	Entield WH Waltham Abbey		19104 5368	26	13	7	2	-	-	-	-	-	-	1	2	2	1	-
_	Cheshunt		7735	6	1	1	-	_	-	-	-	-	-	-	-	-	-	1
186:	Stratford West Ham wwww.H§-	982 7351	38803	83	13	2	-	-	1	-	-	-	-	-	2	3	-	1
	Leston WwL	4372	101053 32430	135	43	13	5 9	-	5 -	1 -	-	-	-	-	-	2	5	3 2
	Walthamstow H -	0000	28869	41	15	5	4	-	-	-	-	-	-	-	-	-	-	-
187 :	1   Chigwell (part of) * H 2   Epping (W, pt. of)* -		9669	11	2	-	2	-	-	-	-	-	-	-	-	-	-	-
189:				-	-	-	-	-				-	_			-	-	-
	Barking Town	8493	7645 9203	15	1	1	-	-	-	-	-	1	-	-	-	-	-	2
1		1	3200	1 13	5	1 1	1	-	-	-	1	-	-	1 -	-	1	-	1 2

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:—
30:2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the parishes of Wariingham and Farley in Goderna sub-district; 39:3. Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromey sub-district, except the parish of Sherrict (pop. 1818); 41:2, Chiaseburst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northam in Hatfield sub-district, except the parish of Theydon Bois (pop. 873); 189:1, the parish of Northam in Romford sub-district, except the parish of Theydon Bois (pop. 873); 189:1, the parish of Dagenham in Romford sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northam in Romford sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northam in Romford sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northam in Romford sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northam in Romford sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northam in Romford sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northam in Romford sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northam in Romford sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northam in Romford sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northam and Northam in Romford sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northam and Northam in Romford sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northam and Northam and Northam and Northam and Northam and Northam and Northam and Northam and Northam and Northam and Northam and Northam and Northam and Northam and Northam and Northam and Northam and Northam and Northa

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 23rd February, 1889.

			Annua				The DE	ATH8	regi	stered	in t	he W	ee <b>k</b> i	nelud	e	3
GREATER	Area in Acres,	Estimated	of Mor per 1000	TALITY living.	DEATHS from	Deat	hs of		3	1	eath	s from	n			Public nous.
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhea.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6,	~7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
GREATER LONDON	448,334	5,642,015	18.0	1.8	1948	439	516	-	82	15	30	38	14	21	72	403
OUTER RING -	77,410 870,924	<b>4,351,738 1,290,277</b>	18·8 15·4	2.0	1567 381	<b>344</b> 95	421 95	-	70 12	14	27 3	31 7	9 5	16 5	65 7	354 49

Noir.—The area of Greater London is 448,834 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,552,268 Persons.

			1				Dra	ATITE	FROM	PRINC	IPAT	Zywor	TC I
					1	ANNUAL	DE	a titts		ISEASE	s.	21.001	
A CITIES.	POPULATION (enumerated or estimated).	DATE OF RETUE Week endi	- 1	BIRTHS. Exclusive o	DEATHS.	DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
CALCUTTA	433,219	November	24			-	-		-	-	-	!	-
BOMBAY	773,196	January	29	325	450	26.0	- 1	12	9	2	. 9	136	56†
Маркав	398,777	**	11	283	333	43.4	1	1	5	2	5	53	81†
PARIS	2,260,945	February	16	1235	1037	23.9	1	35	8	41*	10	17	49
BRUSSRLS - (with 8 Faubourgs.)	462,069	<b>)</b>	16	265	207	23.3	-	2	- 1		4		7
AMSTERDAM .	390,016	33	16	274	213	27.7	- 1	14	-	3	3	2	
ROTTERDAM -	197,723	17	16	159	»· 87	22.8	-	-	-	***	1	-	2
THE HAGUE .	153,440	52	16	125	68 .	23.1	-	-	-	-	1	-	_
COPENHAGEN -	307,000	19	9	200	114	19.4	- 1	-	-	5	6	1	1
STOCKHOLM -	221,549	,,	9	136	92	21'6	-	,-	4	3*	-	3	6
CHRISTIANIA -	135,609	1)	16	58	58	22.2	-	1	2	4	1	1	4
ST. PETERSBURG	842,883	,,	9		590	36.2	-	2	11	6	6	18	76 39
BERLIN	1,470,582	2)	2	976	607	21.2	-	5	11	27	12	3	54
HAMBURG(State)	£50,694	33	9	449	298	28.2	-	2	2	9* 6*	9	-	04
DRESDEN	264,196	"	9	171	111	21.8	2		1	11*	2	_	12
BRESLAU	313,451	13	16	225	155	26.0	-	-6	2	13*	-	_	9
MUNICH	281,000	,,	9	194	151	27.9	-	10	4	6	3	2	29
VIENNA	811,434	,,	9	466	398	25.6 31.6	27	5	1	8	3	5	6
PRAGUE	300,828	37	9	-	182	33.5	-	1	2	6	2	13	: 23
BUDA-PESTH .	452,907	33	9	320	96	31.6	4	_	_	5*	-	-	· -
TRIESTE	158,084	10	9				2	4	1	5	1	5:	8
ROME	402,232	December		274	188	24.4	2	2	1	9	_	1	13
TURIN (10 days)	306,398	January	10	232	183	36.4	1	2		21	1	2	5
VENICE	153,218	February	2	64	107		11 -			1	2	18	89
CAIRO	374,838	January	31	455	291	40.2	-	3	-	1	2		
ALEXANDRIA -	231,396	27	31	242	235	53.0	-						
NEW YORK -	1,549,500	February	2		783	26.4	-	29	44	38	16		
BROOKLYN		n	2	1 -	383	21.6	-	6	5 9	11	- 9	25	
PHILADELPHIA .	1,040,245	99	2	-	399	20.0	-		9	1	1	3	
BALTIMORE -	200000	27	2	-	139	16.6	1 -			1	1	1	1

<sup>\*</sup> Including deaths from croup.
† The deaths returned under "Diarrheal Diseases," include 13 from Cholera in Bombay, and 5 in Madras.
‡ Including 4 deaths from Malarial Fever.

Table 9. -METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 23nd Fernwary, 1889.

								-			1	-	THE WORLD	Of Children and Children and Children	TITLE.	-	Wind as deduced from Anemometers.	duced fr	om Aner	mometer	20		Rain		-
	_	BARO.			TEMPERAT	RATURE.	E.		Differen	ice betw	een		TEN	TEMPERATORE.	UKE.		THE WAY				-	-	collected		_
		METER.							the Air	Tempera	ture D	egree		90	Of the Water	20	Osler's.		-				Ciango		-
1889.		daily			Of the Air.	ir.		Dew Point.	Tem	Temperature.		of Hu-	Of Radiation.		of the Thames at Deptford.	1	General Direction.	Pres	Pressure on the Square Foot.	the t.	Robinson's.		whose	Ozene.	_
Monte and Day.	of the Moon.	rected and reduced to see see to see	High.	Low.	Daily Range.	Mean daily value.	De- parture from	Mean daily value.	Mean daily value.	Great.	Least.		High- est in Sun's Garys.	Lowest High	High- Low-est. est.	w. A.M.	P.M.	Great.	Least.	Mean of 24 hourly obs.	Horizontal Movement of the Air on each Day.	Depar- ture from Average of 16 Years.	sinches above the Ground.		-
TUAR		in.		0 0	0 0	, ,	0	0 :	0 1	0.0	0.0	3	0.50	0 .83		0 NSW & W.	WSW.	lbs. 2.7	lbs.	lbs.	Miles.	Miles. + 58	in. 0°00	0.0	
	:	\$10.00	0.10	20.00	B 67	0 04	1 1	41.4		7.0	0.0				30			17.	0.0	8.0	381	98 +	00.0	3.0	The Person named in
•		602.00	1 00 1	2 2	0 01	40.0	+ +	11.1	D 1:	4 Y	0.1		-		-	H	F	.43 73	0.0	0.3	372	92 +	0.00	0.0	Name and Address of the Owner, where
	Equator.	002 06	1 00	0.00	10.1	0.67		1.88	× × ×	3 ×	1 0					67		9.8	0.0	6.0	309	+ 11	10.0	0.0	
		20.000	2	7 00	7.4	9.48		F.18		10	0 0.55		-			41.7 N. ;	ż	53	0.0	0.2	876	92 +	10.0	0.0	
FRT	Loct Or	020.66	4.5.4	1.16	2.01	6.98	1 61	9.18	00	?1 	7.7		17.8	25.7 43	13.6 42	49.1 N.	ki	61	0.0	60.0	341	+ 39	00.0	0.0	
		30.015	38.0	1.67	6.8	33.1	9.9 -	6.96	6.9	15.0	9.1	9,	61 - 7.98	· 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64	~	41.4 NNE.	NNE.	0	0.0	0.2	423	+118	00.0	0.2	
MEANS .	:	30.041	47.3	67.00	11.11	41.4	67	36.0	in the	8.6	1.1	81	12.2	20.7	41.5 39	39.5 WSW	V. & N.	:	:	:	Sum 2556	Sum +464	Sum 0.00	0.2	
We of Co.	1	-	12	9	1	o	6	10	11	100	13	14	15	16 1	12	18 19	30	12	555	23	24	25	26	27	
DATE.	(For expansion	ELECTRICITE. (For explanation of symbols, see Note.)		Registered Sun above Sunshine, Horizon, in hours, in hours.	red Sur ne, Ho	above rizon,		GE	GENERAL REMARKS.	L REI	TARK	<b>5</b> 2		The	e heigh ction h	The height of the cistern of the barometer is 150 feet above the mean level of the sea, no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 90, A.M.; noon; 30, P.M.; and 90, P.M. The means of the	I to the readin taken at 9h.	gs to n	is 159 educe t	feet abo to sea le h. P.M.	ove the me	ean level	of the s	sea; no	
SOWDAY 17				6.8		10.1	Fine;	Fine; partially cloudy.	. cloudy	. Mild.				eye-r conv of the	eading reted in photo	eye-readings of the barometer, the dry bulb thermometer, and the wet due of thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the thermometers. With the corrected mean reading during the thermometers.	eter, the dry by values by the ls made during adding 1868 for	ulb the application of the the the the the the the the the the	cation wenty	of corre	ections decoring 1873	duced fre	ermome om a disc baromet i mean r	eussion er, and eading	
MONDAY . 18			-	6.7		1.01	Fine and partially overcast afterwards.	and partially t afterwards.		cloudy in Mild.		morning; generally	enerally		e dry b minim mn 8).	of the dry bulb thermometer is combined the corrected mean of the reatings of the maximum and minimum thermometers, forming the mean daily walue of temperature of the air (column 8). The mean daily dew point temperature and degree of hundidly are detacted from the mean daily values of the dry and wet bulb thermometers by Gaisher's Hygrotron the mean daily values of the dry and wet bulb thermometers by Gaisher's Hygro-	ter is combine sters, forming ally dew poin acs of the dry	d the c	orrecte nean veratur wet bu	daily ve and alb the	combined the corrected mean of the readurises of the maximum forming the mean daily value of temperature of the air ew point temperature and degree of humidity are deduced the dry and wet bulb thermometers by Glaisher's Hygro-	emperate humidit	ure of y are d isher's	the air educed Hygro-	
TUESDAY . 19				0.0		7.01	Overea	Overcast generally.		Mild.				Th	metricul Tables. The average te	metrical above the photographic of the sir is that derived from a discussion of the photographic The average temperature of the sir is that derived from the order of horizontal movement records made at Greenwich during the 20 years equips 1818, and that of horizontal movement records made at Greenwich during the source of the six was equips 1818.	re of the air i	s that	derived endin	d from	a discuss	ion of the	e photo	graphic	
WEDNESDAT 20	Instrument adjustment.	2	ander {	₹.0		10.3	Generally evening.		cloudy.	Showery	mi y	afternooa	oa and		readin	The art from a utstassout or are amounted as some as a second as a finite are indicates "higher," In reading the communication and 25 is an all 25 is the beautiful as a second as a depth of two feet he man, shown on the area of the Thannes are suspended at a depth of two feet he	s 9 and 25 it waster of the	vill be	borne i	in mind	that + i	ndicates oth of	"highe	r," and	
THURSDAY. 21				сл сл		10.3	Partially cloudy in morning; overcast in a with occasional showers of ruin and show; conceally chandless at night.	Ily cloud	ly in meshower	orning;	overea.	Partially cloudy in morning; overcast in afternoon, it occursions showers of ruin and snow; face and marely cloudies, at right,	fternoon, fine and		urface readi oration	the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.	one of the je	Clerk	f the of the	Foreign	t, under	larket at instruct	Deption ions fro	rd, and om the	
FRIDAT . 22				1.1		10.4	Generally cloudy noon and evening.	Generally cloudy.	ndy. A	4.	nin and	rain and sleet in	n after-	8 >	The reco symbols en v. variable.	The record of Electricity is derived from incurson's sell-registering inectionleter, the symbols employed are:Y. positive; N. negative; w. weak; in inderface; s. strong; and v. variable.	-P. positive;	N. neg	Thom native;	W. Wel	ak; m. m	oderate	s. stroi	18; and	T) cm²
SATURDAY. 23				شو		10.5	Fine in morning; generally clearly aft Occasional slight fulls of snow in attention.	in mor	ning; t fulls	reneral!.	y cleu in aite	ly afternoon.	afterwards.		e resu	The numbers in column 25, derived from the campoint-stokes sunsimic instrument, show the augmentate duration of bright sunsitine on each day.  The results of all the interordiograph observations are to be understood as applying to the	bright sunsh neteorological to midnight	om the	rach du	ay.	be under	snine ir	applyin	g to th	h
				Sum 14.9		Sum 71.9	day.							Ly a	ne readi	CIVII USLY, OIL TOUR INCOME TO THE TOWN STATE OF STATE THE PREGIOUS OF THE WEEK TO 39.36 in. The reading of the browness to 29.76 in. by 91. P.M. on the 20th increased to 30.00 in. by mean on the 18th; decreased to 29.76 in. by 91. P.M. on the 20th in.	neter increase reased to 29.	d from	29.83 in	n. at the	29.83 in at the beginning of the w by 9h. P.M. on the 20th; increase	g of the	week to 30.30	30.80 in	9 9
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## OFFICIAL COPY.

# WEEKLY RETURN

T TOTAL O TOTA

# BIRTHS AND DEATHS IN LONDON

AND IN

## TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 9, 1889, Vol. L.]

WEEK ENDING SATURDAY, MARCH 2.

[Price 11d.

General Register Office, Somerset House, 4th March, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT Towns of England and Wales corresponded to an annual rate of 19.7 per 1000 of their aggregate population, which is estimated at \*9,555,403 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	· V	Veeks	ending	- Chicago				Weeks	ending	
Towns.	Feb. 9.	Feb. 16.	Feb. 23.	Mar. 2.	Towns.	ł	Feb. 9.	Feb. 16.	Feb. 23.	Mar.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull - Leeds - Leicester* -	20·9   18·7   32·3   20·0   17·1   11·1   19·1   20·8   21·2   20·6   18·0   15·3   16·3   13·2	17·4 28·4 22·7 21·5 16·7 23·2 19·0 15·4 21·9 17·6 18·2	20·2 27·5 20·5 15·1 10·7 18·7 22·2 27·0 19·3 17·4 16·8 20·9	18·9 28·4 21·4 18·9 14·6 17·7 15·3 16·9 23·8 22·5 15·3 20·3	Manchester Newcastle-on-Tyn Norwich Nottingham Oldham - Plymouth - Portsmouth Preston - Salford* - Sheffield - Sunderland		24·0 16·0 17·6 23·1 28·0 14·0 26·0 20·5 22·5 17·9		18·8 28·6 23·0 21·5 15·6 28·2 17·3 18·8 29·0 20·9 20·4 22·2	17.6 25.3 26.3 17.7 19.5 23.5 28.0 18.5 33.6 22.0 23.9 19.1

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.8 in Bolton, 2.5 in Birkenhead, 3.1 in Leicester, 3.9 in Blackburn, and 4.0 in Salford; from whooping-cough, 1.9 in Cardiff, 2.0 in Nottingham, and 4.0 in Preston; and from scarlet fever, 1.1 in Oldham, and 1.7 in Blackburn. The death-rate from "fever," did not reach 1.0 in any of the twenty-eight towns. The 40 deaths from diphtheria in these towns included 25 in London, 4 in Salford, 3 in Manchester, and 2 in Oldham. No death from small-pox was registered in any of the twenty-eight great towns.

#### LONDON.

In London 2608 births and 1472 deaths were registered. Allowing for increase of population, the births were 306, and the deaths 375, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17.5, 18.2, and 18.8 in the three preceding weeks, declined again last week to 17.6. During the first nine weeks of the current quarter the death-rate averaged 19.8 per 1000, and was 3.7 below the mean rate in the corresponding periods of the ten years 1879–88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

A 57026.-9. 610.-3/89. Wt. 14.

The 1472 deaths included 67 from measles, 12 from scarlet fever, 25 from diphtheria, 31 from whooping-cough, 1 from typhus, 6 from enteric fever, 18 from diarrhæa and dysentery, and not one from small-pox, ill-defined forms of fever, or cholera; thus, 160 deaths were referred to these diseases, being 48 below the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 15; only one small-pox patient was under treatment at the end of the week in the Metropolitan Asylum Hospitals, and one in the Highgate Small-pox Hospital. The fatal cases of measles, which had been 43 and 70 in the two previous weeks, were last week 67, and exceeded the corrected average by 33; 4 belonged to St. George Hanover Square, 6 to Westminster, 5 to Islington, 4 to Hackney, 4 to Newington, 4 to St. Olave Southwark, and 7 to Bermondsey sanitary areas. The 12 deaths from scarlet fever showed a further decline from recent weekly numbers, and were 13 below the corrected average; 3 belonged to Poplar sanitary area. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 616 scarlet fever patients, against numbers ranging in the fifteen preceding weeks from £80 to 643; 41 cases were admitted during the week, against 43 and 53 in the two previous The fatal cases of diphtheria, which had been 24 and 27 in the two preceding weeks, were last week 25, and exceeded the corrected average by 10; 2 belonged to Kensington, 3 to Strand, 2 to Shoreditch, 2 to Stepney, 2 to Newington, and 2 to Lambeth sanitary areas. The 31 fatal cases of whooping-cough corresponded with the number in the previous week, and were 59 below the corrected average; 4 belonged to Clerkenwell, 3 to Battersea, 4 to Camberwell, and 4 to Greenwich sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 18, 10, and 16 in the three preceding weeks, rose again last week to 18, and exceeded the corrected average by 3.

The deaths referred to enteric fever, which had been 13 and 8 in the two previous weeks, further declined last week to 6, and were 6 below the corrected average; 2 belonged to Camberwell sanitary area. The death of a hawker, aged 70 years, at 2, Globe Street, Newington, was attributed to typhus. The Metropolitan Asylum Hospitals contained 52 cases of enteric fever, and one of typhus on Saturday last; 7 cases of enteric fever were admitted during the week, against 1

and 3 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 340, 376, and 362 in the three preceding weeks were again 362 last week, and were

141 below the corrected average.

Different forms of violence caused 57 deaths; 48 were the result of negligence or accident, among which were 17 from fractures and contusions, 9 from burns and scalds, 2 from drowning, and 14 of infants under one year of age from suffocation. The 17 deaths from fractures and contusions were thus caused:—2 by accidents from vehicles in the street; 1 by being knocked down by bicycle; 5 by fall down stairs; 1 by fall down ship's-hold; 1 by fall down lift; 1 by fall from roof; 1 by fall from wall; 1 by fall from barge; 1 by fall in house; 1 by fall in street; 1 by fracture, the nature of which was not stated; and 1 by accident on railway. An inquest was held in each of these 17 cases, except the last. Nine cases of suicide were registered, the corrected average being 7.

GREATER LONDON.

In Greater London 3406 births and 1857 deaths were registered, corresponding to annual rates of 31.5 and 17.2 per 1000 of the estimated population. In the Outer Ring 11 deaths from whooping-cough, 7 from measles, and 6 from diphtheria were registered. The deaths from measles included 3 in Carshalton and 2 in Hornsey sub-districts; and diphtheria caused 3 deaths in Wimbledon and 2 in Tottenham sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.69 ins.; the highest reading was 30.05 ins. at the beginning of the week, and the lowest 29.40 ins. on Wednesday afternoon. The mean temperature of the air was 32.8, and 7°.3 below the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably below the average throughout the week, the coldest days being Thursday and Saturday. The general direction of the wind was N.N.E., and the horizontal movement of the air averaged 10.2 miles per hour, which was 3.2 miles below the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0.13 of an inch. The duration of registered bright sunshine in the week was 7.6 hours, against 11.3 hours at Glynde Place, Lewes.

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Aunual per 100	To the Week's Deaths	From All Causes.	17.	19.7	17.6	18.2	2.41	17.7	2.15	6.81	1.61	0.81	20.4	24.0	4.13	25.3	93.8	28.4	33.6	25.2	0 07	6.81	6.83	15.3	1.61	26.3	15.3	1.61	27.9	
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1	7.	to the middle of the Year 1889.		9,555,406	4,351,738	121,807	24,510	78,225	82,544	454.835	150,520	287,812	(8,529	102,511	114,670	878.800	234 283	149,405	121,275	92,825	81,080				7808,017			000 000		255,082
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\* See note un first page of this Return.

TABLE 2. LONDON,-Births and Doaths Registered in the NINTH Week of each of the

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1858	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males  Females .	2602	2777	2620	2589	2773	2751	2623	2640	2572	2778	2914·3	2608
	1350	1446	1348	1291	1386	1407	1378	1392	1267	1439	1494·4	1521
	1252	1331	1272	1298	1387	1344	1245	1248	1305	1339	1419·9	1287
Total Deaths  Males Females .	1771	1607	1633	1790	1590	1483	1495	2143	1635	1794	1817·4	1472
	917	810	850	868	795	768	751	1027	812	910	927·8	737
	854	797	783	922	795	715	744	1116	823	834	919·6	735

<sup>•</sup> The numbers in this column are the average weekly numbers in the ninth weeks of the ten years 1879-88, raised by 9.046 per cent, for increase of population.

LONDON .- Births, Deaths, and Meteorology in the Last Thirteen Weeks.

TABL	E 3. L()NDON.—1	JIMIM	, 1111	11110,	and a	TENT E	O A C O A C			_	-	-		
		Dec. 8.	Dec. 15.	Dec. 22.	Dec. 29.	Jan. 5.	Jan. 12.	Jan. 19.	Jan. 26.	Feb.	Feb.	Feb. 16.	Feb. 23.	Mar. 2.
TOTAL	Births	2644	2291	2655	1876	2855	2668	2837	2599	2662	2772	2511	2695	2608
TOTAL	Deaths	1461	1455	1802	1641	1784	2075	1769	1620	1570	1460	1516	1567	1472
Ages at Death	0-20 years - 20-40 , - 40-60 , - 60-80 , - at 80 years & upwds.	765 177 243 228 48	720 178 247 251 59	888 197 286 356 75	779 173 277 335 77	825 204 303 366 81	850 218 383 506 118	776 197 288 428 80	709 162 280 394 75	714 158 270 338 90	650 181 243 313 73	655 182 279 322 78	666 202 278 337 84	681 153 254 314 70
**	Under 1 year	375 296 94	307 314 99	390 375 123	345 341 93	372 338 115	373 370 107	373 315 88	325 281 103	370 250 94	324 233 93	326 247 82	344 238 84	349 257 75
Deaths fi	om Small-pox, Measles, Scarlet fever -	139	154 17	184 25	147 20	143 12	176 17	121	83 20	71 11	56 12	43	70 14	- 67 12
97 91 <sup>7</sup> 99	" Diphtheria - Whooping-cough Typhus	35 13 1 12	39 14 - 18	39 25 - 12	34 28 - 8	33 32 - 14	21 37 - 10	38 36 -	33 24 - 10	38 38 - 10	24 33 - 5	24 31 - 13	27 31 1 8	25 31 1 6
31 33 33	" SimpleContd fever " Diarrhæa and Dysentery -}		11	16	14	11	1 12	11	24	1 13	13	10	16	18
23	" cholera , all the above- mentioned Diseases	249	253	801	251	246	275	232	195	182	148	138	167	160
"	,, Dis. of Respira- tory System}	277	330	440	412	484	652	492	456	409	340	376	362	362
27	,, Phthisis - ,, Dis. of Circula- tory System	101	109	153	130	160	195	136	152	138	140	158	156	127
Violent Inquest Deaths i		62 150 302	40 86 353	81 154 395	52 107 335	61 132 360	58 143 398	68 121 386	50 102 401	55 104 382	49 91 314	44 98 375	65 114 358	57 118 353
Mean Mean	of Highest readings - of Lowest readings -	49·1 54·0 43·6	39·3 38·8 27·9	40·4 44·4 36·0	42.5 47.3 36.6	31.8 36.1 27.1	35·3 39·7 30·9	87·8 41·0 34·0	38·5 43·3 33·6	43·1 49·4 36·5	35.6 41.9 30.2	34·3 40·9 27·1	41·4 47·3 36·2	32·8 37·7 29·8
	ty of the Air	87	93	94	90	93	98	87	93	88,	81	84	81	83
	l in inches red Sunshine (in hours)	0.17	3.8	6.2	4.6	3.2	2.7	0.02	0.15	0.22	0.80	1.19	0.05	0·13 7·6
					-					-		-	_	-

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Smpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Erown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool: H.O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the

					N	INT	H I	Tee!	K Of	the Year 1889.									
	for the		In	the	We 2nd	ek es Mai	nding	389.			for the		Satu	in th	e W	eek e	ndin	g 889.	
	for 10 ye			eaths	of I	Perso	ous o				s for			eaths	of E	Perso			
	rager the 88.*		1 .		he A	1 .	1 3	10	1.		rage the		1		he A	1 .	1 .	-	-
CAUSES OF DEATH.	Weeks of the 10 1879-88.*	8.	J	Jnde: 20.		under 40	under 60	under 80.	And	CAUSES OF DEATH.	Averages iks of the 10 1879-88.*			Jnde 20.	r	under 40	ler 60.	ler 80.	BRG
	Wee	AGES				d und	d und		Xears		Wee	AGES.	-			a unc	i under	i under	Xears
	Corrected 9th Weel	ALL	0-1.	1-6.	5-20.	20 and	40 and	60 and	X no		Corrected 9th Wee	ALL	0-1.	1-6.	5-20,	20 and	40 and	60 and	X OS ttdw
ALL CAUSES	1847.4	1472	319	257	75	153	254	314	70	Diseases of Organs of	3.9	1	-	-	1	-	-	_	
(Vaccinated; -	) (	-	-	-	-	-	-	-	-	Special Sense † 5		-	-		_	-	-	-	
Small- pox Unvaccinated No Statement	<b>}14.8</b> {	-		-	-	-	-	-	-	Diseases of Circulatory System }	127.7	116	-	_	9	22	32	46	7
Measles	33·9 25·2	67	13 1	50	4	-	-	-	-	Croup	14.2 835.1	18	1	10	2		-	-	
Scarlet Fever Typhus	0.7	1		7	4	-	-	1	-	Bronchitts	103.0	220 94	35 23	87 34	961	5 12	34 10	75 8	12
Relapsing Fever †	0.0	П		-	-	-	-	-	-	Pleurisy Other Diseases of Respi-	43.0	5 30	4	6	2	5	8	9	1
Influenza	90.3	31	10	21	-	-	-	-	-	ratory System5		-							
Diphtheria	15.0	25	-	17	6	1	1	-	-	Dentition † Quinsy, Sore Throat † -	17.7	12 4	6	6 3	-	-	-		-
Simple Continued and Ill-defined Fever	1.7	-	-	-	-	-	- 1	-	-	Enteritis	4.6 6.4	8	1 -	-	1	3	2	3	-
Enteric Fever	12.0	6	-	-	8	3	-	-	٦	Diseases of Liver Other Diseases of)	31.0	24 18	1	2	1	8	12	6	3
Cholera Diarrhœa, Dysentery -	0.0	18	9	4			- 2	2	-	Digestive System - }	010				_				
Remittent Fevert	0.5		-	-	_	_	-	-	-	Diseases of Lymphatic)	1.07						١,		
Hydrophobia – – Glanders – – –	0.0	H	-	-	-	-		-		System & of Ductless Glands †	1.7	1	-				1	-	
Cowpox and Effects of )	0.5			-	_	_	-	-		Diseases of Urinary		0.5					Ħ		
Vaccination † S Venereal Affections -	11'4	14	13			1				System}	43.1	37	-	1	3	8	13	17	
Erysipelas	7'1	3	1	1	-	-	H	1		Di	-								
Pyæmia and Septicæmia †	3.3	1	-	-	-	1	-	-		Diseases of Generative	7·7 5·3	7 6	1	-	-	2 8	2 8	94 -	
Puerperal Fever Other Zymotic Diseases †	1.8	1	-	1		_		-	H	Accidents of Childbirth -					-		-		-
Thrush	2.1	1	1					_		Diseases of Locomotive	11.0	4	H	-	2	-	1	1	Ŀ
Worms and other Para-)	0.7	_						_		Discourse of Fundamental )					_				
sitical Diseases}			_	_						Diseases of Integumen- tary System}	6.9	2			-		-	1	1
Starvation, Want of Breast-milk †}	1.8	2	2	-	_	_	~												
Alcoholism	3.8	4	-	-	-	1	2	1		VIOLENT DEATHS.§								.	
Rheumatic Fever,	8.4									Accident.) Fracture and Contusion	20.0	17	-		3	1	8	3	5
Rheumatism of Heartf }	2.1	4		-	2	1	1	-		Gunshot Wound	0.3	- 9	-1	-		1	-	-	-
Gout	3.8	3	-	-	-	-	1	1 2		Burn and Scald Poison	8'6 1'4 4'7	1 2	-	5	9 -	-	-	1	-
Rickets †	4.0	2	1	1	-	-		-		Drowning ~ Suffocation	15.2 2.6	18.	14	1	1	-	2	ī	-
Cancer	50°3	43 23	12	7	1	4	22	16		Otherwise					_	_	_	_	_
Tubercular Meningitis -	31.5	23	4	14	8	1	1	-		(Homicide.)									
Phthisis	183*1	127	1	2	9	56	46	13		Murder & Manslaughter	0.7	-	-	-	-	-	-	-	-
Scrofula, Tuberculosis - Other Constitutional	17.0	15	6	7	1	-	1	-							-				
Diseases †}	12.8	12	-	1		1	4	6	_	(Svicide.) Gunshot Wound	0.0	1	-	-	-	7	1	-	-
Premature Birth	86.1	53	58	-	-	-	-	-		Cut, Stab	1.2 1.4 1.5 1.5 0.8	2 8	-		-	1 2	1	1	=
Atelectasis +	1.2	1	1	-	-	-	-	-	-	Drowning Hanging Otherwise	1.2	3	-	-	-	-	1	2	-
Congenital Malforma-	8.0	7	7	-	-	7	-	-	-	Orderwing	0.8			_	-			_	-
Old Age	61.3	57	_	-	_	-	-	28	29	(Execution.)									
Apoplexy	48.9	50	-	-	-	8	16	27	4	Hanging	0.0	-	-	-	-	-	-	-	-
Epilepsy Convulsions	8·0 58·6	3 60	52	-		1	1	1	-										-1
Other Diseases of Brain	101.7	83	9	8	5	7	17	20	7	OTHER CAUSES †	64.7	50	89	2	1	1	4	8	-
and Nervous System			1		١									1		1			

sly Deaths for the ten years 1879-38, raised by 9'046 per cent, for increase of population, certained, the average for the seven years 1832-8 has been used, according to the seven years 1832-8 has been used, according to a "unvaccinated" which are so certified by registers! medical men. When a has, or has not, been vaccinated, or when the cause of death is not certified by a registered e, the Coroner to certify whether a violent death be the result of accident, murder, "accident or negligence."

TABLE S. LONDON .- POPULATION; BIETHS; DEATHS from ALL CAUSES, and from Swall-pox, Measles, Scarlet

							The	DEA	THE	regist	ered i	in the	Wee	kine	lude			
				Dest	hs o!						hs fro					1		1.
REGISTRATION 8UB-DISTRICTS.	rated Fopu- lation, 1881.	Total Birres.	Total DEATHS.	Infants under 1   Year of Age.	Persons aged 60 Years & upwds	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cougn.	Typhus.	Enterio (or Typhoid) Fever.	Simple con-	Diarrhosa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
LONDON	3,815,704	2608	1472	349	384		67	12	25	31	1	6		18	57	118	353	18
West Districts  North Districts  Ceveral Districts  East Districts  Routh Districts  METROPOLITAN ARYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON	669,638 905,947 282,238 692,738 1,265,148	392 577 141 552 946	284 314 103 256 514	68 76 27 57 121	78 79 19 74 134		16 12 4 5 30	1 2 - 3 5	4 3 5 6 7	2 3 5 5 16	1	1 4 -	-	1 4 3 3 7	10 8 7 15 17	19 24 13 32 30	78 62 30 85 97 1	1 - 2 - 15
WEST DISTRICTS.  St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.  Rensington Town Ww - W.M. & C.	69898 87830 120141	37 13 57	16 12 42 13	8 1 8 4	1 4 18 1	11 11	1	1111	1	-			-	1	2 2 3 -	3 3 1	4 6 16 6	
St. Peter Hammersmith  St. Paul Hammersmith H W.M. & G.J. Fulham Frow  W.M. & C.J.	43010 7899 64340 42900	12 8 49 56	2 34 42	12 11 3	10 10		1	- 1 -	1 1 -	1 1	-	ī -		1111	1 1	3 1 1	11 1	
Chelsea South HHH C. Chelsea North-west WHIHHH - C. Chelsea North-east - C. May Fair WW G.J. Belgrave WHHH - C. St. John Westminster HHH - C. St. Margaret Westminster WHH N.R.&G.	0396 24925 32307 80353 59220 35496 24679 29941 16608	19 21 20 7 41 22 9	17 5 16 33 11 10 14	3 2 12 1 1	4 7 3 5 7 1 1 6	11 1111 11	- - 4 3 2 3 1		- - - -	11 11 11 11		11111	111111	11 111111	1	1 - 2 1	10 - 11 6 - 3 3 1	1
St. Anne Sono HHHHHHH - W.M.  Cavendish Square HHHH - W.M.  Cavendish Square HHHH - G.J. & W.M.  St. Mary Marylebone WH G.J. & W.M.  St. Mary Marylebone HHH - W.M.  St. John Marylebone H - W.M.  Hampstead WwwHHHH N.R. & W.M.  Tottenbam-court wHHHH N.R.& W.M.  Tottenbam-court wHHHH N.R.& W.M.  Cava's In Lane HHH - N.R.	26759 14991 24809	10 5 16 39 20 15 24 21 8	14 1 4 7 12 7 15 6 13 12 9	2 1 1 3 3 5 - 3 2 4	2 1 1 3 2 7 2 8 2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1			11111111111		1 1 - 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 - 2 2 - 3 - 7 2	11111111111
Somera Town H -	17311 87487 67946 100976 61825 52048 22781 9277 87610 76911	26 16 41 64 62 86 26 14 7 29 62	12 28 50 34 13 6 7 1 10 40 13	8 6 8 9 4 1 4 3 9 2	6 6 11 10 4 - 1 - 2 11	1111111111	5 1 2	2		1 1	11111111			1	1 2 8	3 2 4 - 1 1 - 1 5	9 2 19 10	111111111
South Hackney - E.L.  CENTRAL DISTRICTS.  St. George Bloomsbury - N.R. St. Giles South WH - N.R. St. Giles North - N.R. St. Giles North - N.R. St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H - N.R. St. Clement Danca H - N.R. St. Clement Danca H. N.R. St. Andrew Eastern W N.R. St. Geothe-Martyr HHHHHHH N.R. St. James Clerkenweil - N.R. St. James Clerkenweil - N.R. St. James Clerkenweil - N.R. St. James Clerkenweil - N.R. St. James Clerkenweil - N.R. St. James Clerkenweil - N.R. St. James Clerkenweil - N.R. St. James Clerkenweil - N.R. St. James Clerkenweil - N.R. St. James Clerkenweil - N.R. St. James Clerkenweil - N.R. St. Bandom Union Workhouse, Micham, vo. St. Botolph H - N.R. & E.L Crippiegate - N.R. St. Sepulcite H - N.R. St. Bride W - N.R. Allinaliows Barking - N.R. Broad Street H - N.R. Broad Street H - N.R. Broad Street H - N.R.	10708 6533 17516 19281 14773 17503 11541 18628 9217 7463- 11174 7193 5358 8396 13666	23 4 8 8 6 2 3 - 5 7 1 10 10 10 10 11 8 6 - 7 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 7 1 7 3 9 5 11 6 1 7 5 2 2 3 1 1 3 3 1 1 3 1 3 1 3 1 3 1 3 1 3	2 2 3 1 - 1 - 5 2 1 2 - 8 1 - 2 - 1 2 - 1	2 1 1 3 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				2	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 2 6 8 8 1 1	

NOTE .- The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W - Work NOTE.—The hand fetters pinced against the names of the sub-districts denote Public Institutions situated therein, namely: W. Work-house H.—Hospital; L.—Lunatic Asjum; k.—A Workhouse Establishment receiving inmates from other Districts than that in which it stands see note at the toot of next pake. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifis Grand Junction Company; W.M. West Middlerex; C. Chelsea; S. Bouthwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East London; and K. the Kent Company. EYER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRICEA, VIOLENCE, &c., registered in each Sub-district

aturday, the 2nd March, 1889.	V.,			443					,		¥.	, ,	٠,					
							The	DEA	THS I	egist	ered i	n the	Wee	k ine	ude			
	Enume-			Deat	pa o					Death	s fro	n					9	72
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881.	Total Birthe.	Total DEATER.	Intants under ! Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Mensica.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typnus,	Enterio (or Typnoid) Feve	Simple con-	Darraca.	Violence.	Inquest Cases.	Deaths in Funne	Uncertified Causes of 1)Cath
RAST DISTRICTS.  Iolywell Shoreditch - N.R. & E.L.  t. Leonard Shoreditch $HL^{\psi}$ - N.R. loxton New Town $\psi$ N.R. loxton Od Town N.R. laggerston $WH$ - N.R. & E.L.	7876 14967 24987 28036 46275	4 4 22 17 51	1 2 12 8 22	2 1 2 9	- 683	11111	- 1	11111	2	1	11111	11111	11111	- 2	2	1 2	7 7	11111
fackney-road $H$ $E.L$ . freen, Bethnal Green $WHL^*$ - $E.L$ . fown, Bethnal Green - $E.L$ . E.L.	29738 47932 29981 19310	82 84 25 16	10 17 8 4	1 4 1	2 9 3 1	1111	1	1111	- -	1111	1111	1111	1111	1111	1 - -	2 1	8 8 7	1111
nitalfields E.L. & N.R. tile End New Town # - E.L. Whitechapei Church # E.L. & N.R. loodman's Fields E.L. kldgate - N.R. & E.L.	22585 15478 17490 9718 6102	17 19 15 4	12 19 1 2	1 2 3 -	1 5 2 -	11111	1	11111	0 1 9, 2	1111	11111	1	1111	1111	1	1	7 17 =	11111
it. George's, North E.L. it. John, St. George East W - E.L.	88747 8410	26 2	8	4 -	1 6	-	1 1	-	-	-		-	-	E	1 -,	1 ~	5	-
nadwell HH - E.L. N.R. talcliff E.L. imehouse E.L.	10895 16107 82041	9 10 16	11 6 11	2 2 4	1 2	1 1 1	1 + 1	ĩ	2 -	1 1 3	-	9 - 3			2 2	4	7	-
dile End Old Town West - E.L. Uile End Old Town East Www.H-E.L.	87960 67658	34 55	14 22	5 4	8	-	ī	-		1	-	9 1	-	-	2	2	9	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	87074 64359 55077	28 62 55	13 30 12	1 6 1	6 10 1	111	111	2 -	- 1	1	111	1 1 1	1 1 1	1	1 -	1	1 18 1	111
SOUTH DISTRICTS.   Thisteburch Southwark   WH   L. & S. S. Saviour Southwark     S. S. S. S. S. S. S. S. S. S. S. S. S.	18668 14999 21881 15958 21318 26672 59555 21623	10 13 22 13 15 12 41 20	4 5 5 4 18 38 12	1 2 2 - 1 2 5 1	2 - 2 1 5 5 3			1111111	1		1	1111111	1111111	1 - 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 -	3 - 7 -	2
it. Olave WH S. a.L. i. eather Market S. a.L. it. Mary Magdalen W - S. it. James Bermondsey - S. totherhithe WH S. & K.	11956 16800 15669 54683 86024	9 11 12 31 29	30 7 8 19 18	4 3 1 7 1	. 7 1 2 3 7	11111	1 2 4 -	11111	1		1111	11131	1111	11111	6 - 1 -	1	18	1 1 -
Waterloo-road 1st H -	15195 16251 19876 39859 45232 35882 62887 19017	10 18 9 21 87 21 42 14	8 19 17 15 13 29 4	1 3 3 5 4 2 9 2	1 2 3 4 5 11	1111111	2	1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1111111		1141111	1	2	1 2 -	10 7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Sat Battersea	54675 52587 86880 28004 18285 25558	28 27 18 16 3 28	23 26 14 7 - 7	9 8 2 2 - 2	5 9 6 2 -	11111	1 2 - 1	1	111111	2 1	111111	1	11111	1	1 1	3 1	7	111111
Dulwich	5590 59104 71089 50810	2 86 51 48	88 14 18	3 5 4	12 4 8			-	1	3		98 7 1	1111	1	1	1	18 2	2 1
t. Paul Deptford www - 'K. t. Nicholas Deptford K. lreenwich West H K, reenwich East WHH K.	76752 7901 21972 24608	70 9 11 26	30 3 5 13	8 1 2 3	1 1 1 7	1131	1 1 -	2 -		3 1 -		1111	1111	1111	1111	2 -	9	1
litham $H$ K.  et $H$ K.  et $H$ K.  et $H$ K.  et $H$ K.	5048 21559 19865 26076	2 4 27 11	2 9 5	1,1 1.1	1 5 8	1 1 1 1	-	- 1			13.11	1111		1111	-		1	1111
harlton H K. Voolwich Dockyard K. Voolwich Arsenal HH K., Iumstead, West H K. Iumstead, East W K.	10930 17617 19048 14009 19241	11 11 17 8 27	5 2 10 2 14	2 1 4 1 5	1 2 1 3	11111	- 1 1	11111	11111	11111					1	1	1 - 4	1
Cetropolitan Asylum Hospitals: Dartford w Winchmore Hill w	-		<u></u>	-	-			1 -				-	1 - 1	-			i i	=

following Workhouse Establishments receive immates from other Districts than the one in which they stand, and are indicated in the Table by w:-

Marylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum. in Tottennam Court-road sub-district.
Holborn infirmary in Upper Holloway sub-district.
Holborn "Hoston New Town sub-district.
Whitechapel "Mile End Old Town Kastern sub-district.
In and Bromley sub-district.
Private Lunatic Asylums in which paupers are received.

Stepney Workhouse in Bromley sub-district.

Poniar & Stepney Sick Asylum
Westminster Union Industrial School in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Indirmary in Camberwell sub-district.

Metropolitan Asylum District Hospitals in Futional, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING .- AREA; POPULATION: BIRTHS and DEATHS registered during the

LABIJE	6.—LONDON.— O	0 1 211	RING	Wee	k end	ing S	aturd	ay, 21	ad Ma	arch,	1889							
		Area						1	he Di	SATHS	regist	ered in	the V	Veek i	nelude			
Regis-		in Acres,	Enume-			Deat	hs of				Death	fron						9
District	REGISTRATION	inclu-	rated	20	HS.	7	ds.					ugb.				ı,	Public	Causer
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS,	DEATHS.	under of Age.	aged &	ı,		OVER	18.	8-60		â		Case	in P	theid o
district Num-		and	1881.	B	a	ar of	ons s	Small-pox.	sles.	Searlet Fever.	Diphtheria.	Whooping-cough	er.	Diarrhosa	Violence.	Inquest Cases.	Deaths in	Uncertified of the u
bers.		Fore-				Infants	Persons Years 5	Sma	Measles	Scar	Dipl	Who	Kever.	Dia	Vio	Ing	Dec	Un }
LON	DON-OUTER RING	370,924	950,957	798	385	92	119	-	7	2	6	11	2	2	6	11	45	8
						2	1		8			2	_	_	, _	-	1	
80:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	15 7	11 10	1	5	-	-	-	-	-		-	-	-	8	ŀ
37:1	Godstone (part of) * -	2754	1235	(-1 <sub>80</sub>	-	-	-	-	-	-		T.	- ;	-	-		-	
38:1	Croydon WwHHL -	20851	101241	68	88	8	13	-	-	-		1	-	1	-	-	9	
2	Mitcham w †	11697	17932	8	3	2	2		-		3					-		1
39:1	Wimbledon HHH - Kingston WHH	8320	15350 38354	18 15	6 14	8	4	-	1	-	-	-	-	-	-	-	3	1
. 3	Esher (part of) * -	6801	9221	4	S	2	1 2	+	-	-	7 .			-	-	-		
40:1	Hampton H	4578	13539	7	6	2	3						_	_	-	_	1	-
2	Richmond WH	2272 2941	21302 12331	17 9	5 2	1	-	-	-		-	-	-	-	-	-	-	F
41:1	Bromley (pt. of) # HH	15669 14367	81142 15844	31 7	6	2	1	-	-	-	-	1	-	-	1 -	1 -	-	-
42;1	Chishrst(pt.of)* WHH  Bexley H	18437	24134	18	6	1	4		_	-	-	-		-	-	-	-	Ŀ
2	Dartford (Ww, pts. of)*	-	-	-	1	-	1	-	-	-	-	-	-	-	~	-	1	
124: 1	Sunbury to	11055 18277	11695 12989	2 6	4 5	- 1	2	-	-	-	-	-	-	-	-	-	-	-
125:1	Staines W Hillingdon WHH -	6029	10302	7	9	3	8	-	_	-	-	-	~	-	-	-	1	-
2	Uxbridge	6178	5225	1	. 3		2		-	-	-	-	-	-	-	-	3	-
126:1	Hayes wHL	14587	11528	10	6	2	2		-		-	-	_		_		-	-
2	Isleworth WHH - Twickenham H	2177	12479	6	5	1-	2	-	1	-	- 1	-	-	-	-	1	i	-
3 4	Brentford HL -	4345 1349	27349 15975	33	9 5	2 2	4	-	-	-		1		-	1	1 -	-	1 -
5	Chiswick Acton wH	6033	22376	15	8	1	2	-	-	-	-		-	-	-	-	-	ŀ
127:1	Harrow H	(8979	12796	9	4	1	1	-	-	-	-	-	-	-	-	-	-	-
3	Edgware H	6994 4383	3749 27453	1 85	11	5	- 8	-	-	7	-	1	-	-	-	-	-	-
	Hendon W :	8332	10434	8	5	-	. 3	~	-	-	-			-	-	7	2	-
187:1	Bushey Watford (W, pt. of)* -	9331	6621	8		-	-	7		-	-	-	-	-	-	-	-	
128:1	South Mimms	15599	63.)1	5	1	1	-	-	_	-	-	_	-	-	-	-		-
2	Barnet	5433	10092	5	2	2	-		-	-	-	-	-	-	-	-	-	-
135:1	Finchley HL  Hatfield (part of) * -	4688 3306	17318	11	18	2	6		-			-					4	
129:1	Hornsey H	3039	37078	17	18	5	8		2	-	-	1	-	-	1	1		-
2	Tottenham H	4642	46453	52	27	5	9.		-		2	1	-1	1	. 3	2	-	1
8	Edmonton Ww : - Enfield WH	7453 12553	23433 19104	23	11 6	8 -	6		-	-	1	7-	-	-	-	-	3	-
5.	Waltham Abbey	11017	5338	1	2	1	1	-	-	-	-	-	-	-	-	-	-	1
186:1	Cheshunt	8130	7785 38606	33	13	8	-	-	-	-	-	-	-	-		-	-	
2	West Ham wowqu H§-	7851	101053	142	51	13	7	-	-	1	-	1 -	2	-	-	2	-	1
3 4	Leyton WwL Walthamstow H	4372 6520	32430 28869	42 29	21	5 4	6	17 - 1	1 - 2	1	-	1	-	4	1.	1	6	1
187:1	Chigwell (part of) * H	1	9839	1	3	-	1		-	-		1	-	-	1	-	-	
2	Epping (W, pt. of)*	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	i	-
189:1	Romford (part of) * W	8730 8493	. 3411 7645	2 4	2 2	2	-	-	-	-	-	-	1 -		1		. "	1
3	Barking Town	4 .	9203	111	5	2	1	-	-	-	-	1	-	-	-	-	-	1
				_	_		10.0	-	-						1			

The parts of sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the earshes of Waringham and Farley in Goldsone sub-district; 38:3. Esher su -district, except the parish of Esner (pop. 1235); 37:1, the earshes of Waringham and Farley in Goldsone sub-district; 38:3. Esher su -district, except the parish of Esner (pop. 1235); 41:1, Bromiey sub-district, except the parish of Chelsheld (pop. 1818); 41:2. Chief well sub-district case the parish of Chelsheld (pop. 1818); 13:1, the parish of Northaw in Hatdeld sub-district: 187:1, Chief well sub-district, except the parish of Theydon Baic (pop. 187:1); 188:1, the parish of Dagenham in Romford sub-district 12:2, Dartford, 187:2, W stford, and 187:1, Epping, sub-districts, deaths in Workhouses, belonging to Metropolitan Police District.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

† Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winshunge Hill (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 2nd March, 1889.

	Area			L RATE			The DE	ATHS	regis	tered	in th	ne W	eek i	nelud	e	
GREATER	in Acres,	Estimated		TALITY living.	DEATHS	Deat	hs of		3	I	eath	s fron	a			Publio
LONDON.	including tidal water and foreshore,	Population, middle of 1889,	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	under l Year	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoss.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
REATER LONDON	448,334	5,642,015	17.2	1.8	1857	441	503	-	74	14	31	42	9	20	63	398
INNER LONDON - OUTER RING -	77,410 370,924	<b>4,351,738 1,290,277</b>	17·6 15·6	1.9	1472 385	349	384 119	-	67 7	12 2	25 6	31	7 2	18	57 6	353 45

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is our alto 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,552,268 Persons.

	l'opulation					ANNUAL	DE	ATHS	FROM D	ISEASI	38.	ZYMOI	-
CITIES.	(enumerated or estimated).	DATE OF RETUE Week end		Birrns. Exclusive o	DEATHS.	DEATH- RATE per 1000 living,	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
					1		02	2	002	A		H	
CALCUTTA	433,219	November	24	-	- :		-	_ [	-,	, -	-	-	-
BOMBAY	773,196	February	5	1 - 1	-		-			-	-		
MADRAS	398,777	January	18	332	450	58.6	-	5	?	2	. ?	112	105†
PARIS	2,260.945	February	23	1163	1061	24.4	1	46	. 4	45*	12	15	. 63
BRUSSRLS (with 8 Faubourgs.)	462,069	99	23	263	187	21.0	-	4	100	2	1	!	18
AMSTERDAM -	390,016	99	23	296	189	24.6	-	12		. 4	3	1	and .
ROTTERDAM -	197,723	99	23	167	91	23.8	-	~	-	-	2	'	. 1
THE HAGUE .	153,440	39	23	125	64	21.7	-	2		-	-	-	7
COPENHAGEM -	307,000	Ja	16	219	131	22.3		<b>-</b> .	3	4	. 4	2	7
STOCKHOLM .	221,549	27	16	-122	- 83	19.5		-	4	4*	-		5
CHRISTIANIA -	185,600	99	23	57	59	22.6		2	-	2	-		
St. PRIERSBURG	842,883	. 29:	16	-	,586	36.3			14	6	4	20	86
BERLIN	1,470,582	. ,,	9.	935	642	22.7	una	9	7	25	8		64
HAMBURG(State)	550,694		16	385	368.	34.9	-	1	4	7*	-1	2	83
DRESDEN	261,196	99	16	156	100	19.7	?	-	1	5*	P	1	7
BRESLAU	313,451	11	23	221	181	30.2		1		5*	-	-	20
MUNICH	281,000	25 -	16	193	159	29°4		8	1	9*	3	1	9 28
VIENNA	811,434	90	16	596	417	26.7	1	5	6	6	2	1	28 5
PRAGUE	300,828	30	16	7	177	30.7	14	1	1 2	5		3	26
BUDA-PESTH -	452,907	. 23	16	344	255	29.3	2		2	-	1	_	1
TRIESTE	158,081	50	16		103	33.6						21.5	7
ROME	100,000	January	5	256	203	26.3	5	6	-	. 6		5‡ 1	10
TURIN (10 days)	306,398	12	20	220	192	22.9	1	1 3	_	2*	_	1	4
VENICE	153,218	February	9	78	79	23.9	2		_				
CAIRO	374,838	99	7	439	321	44.7	-	2	-	.1	3	21	. 85
ALEXANDRIA -	281,396	53	7	257	228	51.4	-	5	-	5*	4	10	55
NEW YORK -	1,549,500	39	9	-	813	27.4	-	23	51	47	10	. 2	8
RROOKLYN -	814,505	2)	9		315	20.5	-	- 11	10	28	9	3	2
PHILADELPHIA.	1,040,245	33	.9	-	403	20.5	-	-	11	10	5	18	2
RALTIMORB -	500.343	19	9, .	-	140	14.6	-	1-1-		2.	2	. 2	
					1	()	1		1				

\* Including deaths from croup.
† Including 6 deaths from Cholera.
‡ Including 2 deaths from Malarial Fever.

TABLE W.-METEOROLOGICAL OBSERVATIONS taken at the ROXAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 2ND MARCH, 1889.

1																						
		Ozone.		1.5	6.0	0.0	0.0	0.0	0.8	·J:0:-	9.6	27	00 - 00	of the	er, are ussion er, and eading	he air	araphic sement	z, and	in the	R. The	it, show	.m. 07.62
Poin	cellected in a		5 inches above the Ground.	in. 0.01	0.05	00.0	0.03	90.0	10.0	60.0	Sum 0.13	97	of + ho c	a means	rmomet in a disc baromet I mean r	rne man nre of t y are de isher's	e photog	1875. "highe	Deptember	fromste	strumer applyin	wsek to
	-		Ci es .	Miles.	10	-137	100	9 +	- 91	- 555	Sum 543.	9.5	lovol no	W. Th	bulb the for the	cadings of the maximum temperature of the air of humidity are deduced or by Glaisher's Hygro-	ion of th	s ending ndicates	arket at instruct	ing Elector	shine In	g of the cek.
		Robinson's.	Horizontal Depar- Movement ture from of the Air Average on each of Day.	Miles.	260	181	267	332	238	109	Sum 1706	2.4	o tho mo	rel.	the wet tions der ding 1875 Vith the	lue of the rest	discuss nd that o	e 16 year truat + i	Cattle M	f-register k; m. m	kes Sun be under	beginnin of the s
ometers.	-	0	Mean Mot 24 of 24 of bourly obs.	lbs.	1.0	0.0	0.0	0.0	0.0	0.0	:	23	of a bo	sea lev	correcters on ters.	aily va	from a	s few the	espende oreign Market	on's sel w. wea	bell-Sto	at the
Anem		Pressure on the Square Foot.	Least. he	10.0 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	. 555	170 6	luce to	momet tion of enty y	rected ean de ruture	erived	record orne ii	the F	Phomse Live;	Camp sen day	0.05 in
mod from		Pressur	Great Li	lbs. 1	1.1	9.0	6.0	9.0	9.0	0.0	:	. 17		s to rec	b ther pplica the tw	the cor the m tempe	that d	netric I be b	hames ies of lerk of	from J	n the e on eg	from 3
TITE A and dedition Anomometers.	William as ucum	ection.	P.M.	×	NE.	NE. & NNE.	ENE.	NE. & NNE.	ENE.	ENE.& ESE	4	20		the reading	the ary bullines by the stande during ng 1868 for the	s, forming dew point	f the air is	t the anemor	ater of the 1 of the jett d by the C	is derived positive; N	derived from	o midnight, er decreased increased to
	6 .	General Direction.	A.31.	Z. Z.		NE.	N. & NNE.	NNE.	NNE.SENE.	NE. & NNE.	N'E	19		The height of the cistern of the baroneter is too account of the cistern of the baroneter is the second of the readings to reduce to sea level.  Correction has been applied to the readings to reduce to sea level.	Observations are estably taken to a name, not observations are bulb thermometer, are oper-readings of the barometer, the dry bulb thermometer, and the vet bulb thermometer, are converted into mean daily values by the application of corrections detured them a disaussion converted into mean daily values by the application of corrections detured them a disaussion converted into mean daily values during the twenty years ending 1875 for the womenty vears ending 1876 for the thermometers. Will the corrected mean reading darking the twenty years ending 1886 for the thermometers. Will the corrected mean reading	of the dry bulb thermometer is combined the corrected mean of the Franciscs of the maximum and minimum thermometers, forming the mean daily value of temperature of the air combined of the minimum thermometers, forming the mean daily eavy point temperature and decree of humidity are delined forming. The mean daily eavy point temperature and decree of humidity are delined for the dry and were bulb thermometers by Glasher's Evrych.	motified 12016s.  The average temperature of the irs that derived from a discussion of the photographic The average temperature of the succession of the average temperature of the succession o	records made at Chreffull during the my state of the air this 15 years ending 1875.  of the air from a discussion of the anemometric records for this 15 years ending 1875.  In reading the columns 9 and 25 it will be borne in mind that + indicates "highers," — "Inner," than the average.	The thermometers in the water of the Thanes are suspended as a region or two testoetow the strategies at the end of one of the jetties of the Foreign Cautle Markes at Deptates of the here strategies of the Markes, under instructions from the rheir requiring are registered by the Clerk of the Markes, under instructions from the	Corporation of London. The record of Electricity is derived from Thomson's self-registering Electromases. The grand record of Electricity is derive; N. negative; W. Weak; in, moderate; s. strang; and symboly employed are:—P. positive; N. negative; W. Weak; in, moderate; s. strang; and	v. variable.  The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the avergence duration of bright sunshine on each day.  The numbers of all the meteorological observations are to be understood as applying to the major results of all the meteorological observations are to be	in the record from middlight to midnight from 30°05 in at the beginning of the wask to 29°40 in, a 'friengaling of the brononere decreased from 30°05 in, by the end of the wask, by 31, 2, x, on the 27th; and measured to 20°50 in, by the end of the wask,
[Under the Superintendence of the Astronomer Koyar.]	1	arer armes ord.	Low- est.	2.0%		39.7 N		28.1	6.10	38.5	39.5	18		ght of has be	thons and the state of the stat	hulb t	metrical lables. The average to	from a fing the	ee, at t	ion of J	le, unbers egate d	or fre
nomer	TURE.	Of the Water of the Thames at Deptford.	High.	0 6				20.08	8.88	2.07	41.1	15		he hei	reading respectively by the phonormal contraction of the phonormal contrac	the dry	m the	ords nuche air	The the	rporat The re mbols	variab The m e ukkr	vil day The re
Astro	TEMPERATURE.		Lowest on the Grass.	0.20				9.65	58.8	5.97	9.12	18		Con					t th		. th	ci by
e of the	TE	Of Radiation.	High- est in Sun's Rays.	0 .01				0.89		6.29	0.02	120			enerall;	howers	rwards	shower		fterward		
maenc		egree f Hu- nidity	ration equals 1	5							88	14		တို	ning; g	s wous	eloudy afterwards;	Nons l		now; ad	times.	
perint	reen	nt o	Least.	0	0.0	0.0	0.1	0.1	1.5	10	6.0	1 ~		GENERAL REMARKS.	in mor	generally, with o casional snow showers.		ecasions	owers.	ional sn	now at	
the Su	nce betw	Femper Jew Poi peratur	Great.	0 0	7 07	70.01	0.1		4.51	0.1	1.6	12		I LE	loudy ith occi	vith 0.0	generally	, with o	now sh	;; oceasi	little s	
Juder 1	Differe	the Air Temperature and Dew Point Temperature.	Mean daily value.			F C	0 00	0 00	7.0	2.9	4.2	F		NEE	tinlig cards, w	rally, v	forenoon;	pghout	quent s	evening	ndy; a	
2		Of the Dew Point.		0 50	7 (7	01.0	9.40	7.10	0.00	oo. 4767	28.1	1		CE	after wa		in fores	Overeast throughout, with occasional enow showers.	Variable; frequent snow showers.	Variable till evening; occasional snow; afterwards	Generally cloudy; a little snow at times.	
	E.	Name process		0	0 1	0 0	1 1	0.0	0 1	6.8 -	- 7.3				Fine and partially cloudy in morning; generally overest afterwards, with occasional slight show.	Overeast	Fine in occasional t	Overe	Varin	Varia	Gene	
ı	TEMPERATURE	ir.	Mean daily value.	, ;	0.40	0.4.0	1 70	21.5	33.4	31.5	35 67 69	0	a above	Horizon, m hours.	10.2	9.01	2.01	2.01	10.8	10.8	10.0	Sum 75.0
ı	TEMPE	Of the Air	Dally Range.	0	, i	8.2	0.0T	0 %	0 0.00	00 00	6.2		Maria and Susan and	me, 11						· ·	0	Sum 7.6
			Low.	0	31.1	21.2	9.17	7 10	0 6.00	28.3	8.67		0 1	sunshine,	1.1	0.0	ं।	0.0	0.2	9.8	0.0	2
			High.				-	1 10	2 2 2		17.77			n of te.)				under {	i			
	BARO-	Mean	rected and re- duced to	in.	763.67	26.765	¥09.65	29.417	192.62	624.65	689.00		To the same	(For explanation of synnois, see Note.)				Instrument under				
		Phases	of the Moon.		Perigee.	Der. >	:	:	: ,			:	20 3	(For easymnol				Tustrumer Radjustmeat.		:		
	-			EX.	-		56	1701	 %	- G1					4	7.5	.02	12	20	Pri	63	
		1889.	Month and Day.	FEBRUARY.	SUN.	Mon.	TUES	WED.	38. A.R.	FRI	Menance	MARANS	No. of Col.	FEBRUARY.	SONDAT	MONDAY .	TUESDAY .	WEDNESDAY	TRUBSDAY.	MARCH.	SATURDAY.	

# WEEKLY RETURN

#### DEATHS BIRTHS AND IN LONDON

AND IN

### TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 10. 1889. Vol. L.]

WEEK ENDING SATURDAY, MARCH 9.

Price 13d.

## General Register Office, Somerset House, 11th March, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21.0 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending			4 .		Weeks	ending	5
Towns.	Feb. 16.	Feb. 23.	Mar. 2.	Mar. 9.	Towns.	•	Feb. 16.	Feb. 23.	Mar. 2.	Mar. 9.
Birkenhead	21.4	17.8	20.4	19.3	Liverpool -		21.0	19.7	24.0	23.7
Birmingham	17.4	20.2	18.9	17.2	London -	- '	18.2	18.8	17.6	19.6
Blackburn -	28.4	27.5	28.4	31.0	Manchester	-	29.3	28.6	25.3	29.6
Bolton -	22.7	20.5	21.4	23.7	Newcastle-on-Typ	e*	26.3	23.0	26.3	30:5
Bradford* -	21.5	15.1	18.9	22.2	Norwich -	-	22.6	21.5	17.7	23.7
Brighton -	16.7	10.7	14.6	16.3	Nottingham	-	20.6	15.6	19.5	19.1
Bristol -	23.2	18.7	17.7	17.3	Oldham -		23.5	28.2	23.5	23.8
Cardiff* -	19.0	22.2	15.3	18.1	Plymouth -	-	14.0	17.3	28.0	17.3
Derby -	18.0	27.0	16.9	14.3	Portsmouth		18.5	18.8	18.5	23.6
Halifax -	15.4	19.3	23.8	21.2	Preston -	-	24.0	29.0	33.6	28.5
Huddersfield	21.9	17:4	22.5	15.7	Salford* -	-	24.9	20.9	22.0	24.1
Hull	17.6	16.8	15.3	17.6	Sheffield -	-	21.5	20.4	23.9	24.6
Leeds -	18.2	20.9	20.3	22.5	Sunderland	-	21.4	22.2	19.1	21.4
Leicester* -	13.9	20.8	19.1	$17 \cdot 3_{i}^{3}$	Wolverhampton	-	18.3	24.7	21.5	26.5

The highest annual death-rates, measured by last week's mortality, were:from measles, 1.8 in Bristol, 2.1 in Liverpool, 2.4 in Salford, 2.7 in Bolton, 2.8 in Manchester, 3.1 in Birkenhead, and 6.9 in Blackburn; from scarlet fever, 1.0 in Sheffield; and from whooping-cough, 1.5 in Oldham and in Nottingham, 1.6 in Sheffield, 1.7 in Blackburn, and 4.0 in Preston. The death-rate from "fever," did not reach 1.0 in any of the twenty-eight towns. The 30 deaths from diphtheria in these towns included 20 in London, 3 in Manchester, and 2 in Sheffield. No death from small-pox was registered in any of the twenty-eight great towns.

#### LONDON.

In LONDON 2698 BIRTHS and 1637 DEATHS were registered. Allowing for increase of population, the births were 261, and the deaths 286, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 18.8 and 17.6 in the two preceding weeks, rose last week to 19.6. During the first ten weeks of the current quarter the death rate averaged 19.7 per 1000, and was 3.7 below the mean rate in the corresponding periods of the ten years 1879-88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salfred, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cartoff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cartoff over-stated.

The 1637 deaths included 77 from measles, 16 from scarlet fever, 20 from diphtheria, 29 from whooping-cough, 4 from enteric fever, 3 from ill-defined forms of continued fever, 15 from diarrhea and dysentery, and not one from small-pox, typhus, or cholera; thus, 164 deaths were referred to these diseases, being 50

below the corrected average weekly number.

No death from small pox was registered, the corrected average being 15; one small-pox patient was under treatment at the end of the week in the Metropolitan Asylum Hospitals, and two in the Highgate Small-pox Hospital. The fatal cases of measles, which had been 43, 70, and 67 in the three previous weeks, rose to 77 last week, and exceeded the corrected average by 38; 5 belonged to Hammersmith, 6 to Islington, 8 to Newington, 11 to Bermondsey, and 7 to Lambeth sanitary areas. The 16 deaths from scarlet fever showed an increase of 4 upon the number in the previous week, but were 9 below the corrected average; 2 belonged to Hackney, 3 to St. George Southwark, 2 to Lambeth, and 2 to Camberwell sanitary areas. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 604 scarlet fever patients, against numbers ranging in the sixteen preceding weeks from 980 to 616; 64 cases were admitted during the week, against 53 and 41 in the two previous weeks. The fatal cases of diphtheria, which had been 27 and 25 in the two preceding weeks, further declined last week to 20, but exceeded the corrected average by 6; 2 belonged to Kensington, 2 to Westminster, 5 to Lambeth, and 2 to Battersea sanitary areas. The 29 deaths from whooping-cough showed a further decline from recent weekly numbers, and were 61 below the corrected average; 3 belonged to Marylebone, 3 to Islington, and 6 to Lambeth sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 10, 16, and 18 in the three preceding weeks, declined last week to 15, but exceeded the corrected average by 1.

The deaths referred to enteric fever, which had been 13, 8, and 6 in the three previous weeks, further declined last week to 4, and were 11 below the corrected average. The deaths of three children were somewhat indefinitely referred to febricula, infentile fever, and simple continued fever. The death of a male, aged 23 years, in Battersea, was attributed to "malarial fever 14 days." The Metropolitan Asylum Hospitals contained 53 cases of enteric fever, and one of typhus on Saturday last; 2 cases of enteric fever were admitted during the week, against 3

and 7 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 362 in each of the two preceding weeks, rose last week to 402, but were 132 below

the corrected average.

Different forms of violence caused 52 deaths; 47 were the result of negligence or accident, among which were 18 from fractures and contusions, 11 from burns and scalds, 3 from drowning, 1 of a lead worker from lead poisoning, and 11 of infants under one year of age from suffocation. The 18 deaths from fractures and contusions were thus caused:—3 by accidents from vehicles in streets; 1 by accident on railway; 2 by fall on board ship; 2 by fall in street; 2 by fall down stairs; 1 by fall from box; 1 by fall on fender; 1 by fall the cause of which was not stated; 1 by blow on head; and 4 by fracture, the nature of which was not stated. An inquest was held in each of these 18 cases. Three cases of suicide were registered, the corrected average being 7.

#### GREATER LONDON.

In Greater London 3485 bit hs and 2023 deaths were registered, corresponding to annual rates of 32·2 and 18·7 per 1000 of the estimated population. In the Outer Ring 6 deaths from measles, 5 from "fever", 4 from diphtheria, and 4 from whooping-cough were registered. Measles caused 3, and diphtheria 2, deaths in West Ham sub-district. Two fatal cases of "fever" occurred in Tottenham, and 2 of whooping-cough in Croydon sub-districts.

Professor Frankland's report upon the quality of the water supplied by the various companies to the Metropolitan area during February will be found on pages 97-98.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.61 ins.; the highest reading was 30.03 ins. on Tuesday evening, and the lowest 28.84 ins. on Friday evening. The mean temperature of the air was 37.4, and 3.1 below the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably below the average during the first four days of the week, but showed an excess on Thursday, Friday, and Saturday. The direction of the wind was variable, and the horizontal movement of the air averaged 12.3 miles per hour, which was 1.6 miles below the average in the corresponding weeks of 16 years. Rain fell on three days of the week, to the aggregate amount of 0.54 of an inch. The duration of registered bright sunshine in the week was 26.0 hours, against 26.5 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the London Water Companies who have furnished him with the average daily quantity of Water supplied during the month of Ferruary 1889; according to their returns 156,558,624 gallons or 711,318 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 209 gallons (95°0 decalitres), being rather less than a ton by weight, to each house, and (assuming 7°8 persons to each house) 26°8 gallons (12°2 decalitres) to each person, against 26°9 gallons during February 1888.

COMPANIES				Houses, &c.	Average daily S in Ga	
Vomitation			FEBRUARY.	FEBRUARY.	FEBRUARY. 1888.	FEBRUARY. 1889.
TOTAL SUPPLY	,• <sup>2</sup>		,34,383	747,598	154,025,254	156,558,624
From Thames	rces	•	353,930 380,453	360,153 387,445	76,331,090 77,694,164	77,231,638 79,326,986
THAMES, Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	•	• .	 34,460 69,959 103,958 53,895 86,658	34,823 71,°95 110,572 55,161 88,502	8,873,840 13,965,703 22,881,600 15,026,047 15,583,900	8,986,678 14,064.878 21,822,456 16,030,626 16,327,000
LEA AND OTHER SOUR New River East London Kent	RCES.	•	149,703 160,534 70,216	151.949 163.796 71,700	27,812,000 38,842,752 11,039,412	28,514,000 89,753,196 11,059,790

Note.—The Return for February 1889, as compared with that for the corresponding month of 1888, shows an increase of 13,215 houses, and of 2,533,370 gallons of water supplied daily.

### ANALYSIS OF METROPOLITAN WATER SUPPLY DURING FEBRUARY.

Water-analysis Laboratory, The Yews, Reigate, 28th February, 1889.

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of February.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent and Tottenham U.5, Colne Valley 1.2, New River 2.0, Grand Junction, 2.1, Southwark 2.4, Lambeth 2.7, East London 3.0, West Middlesex 3.1, and Chelsea 4.0.

The Thames water sent out by the Chelsea, West Mildlesex, Southwark, Grand Junction, and Lambeth Companies was of much better quality than that delivered during the two preceding months. It was, in every case, efficiently filtered. The Grand Junction Company attained the highest degree of organic purity, whilst the Chelsea Company was considerably behind the other

Thames Companies in this respect.

The water chiefly derived from the River Lea, and delivered by the New River and East London Companies, was of about the same quality as that of the best Thames-derived waters, the New River Company's water taking, as usual, the highest place in regard to organic purity. Both samples were clear and bright, but the East London Company's water was unusually hard.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a very high degree of o ganic purity; and the Colne Valley Company's water, having been softened before delivery, was also of good quality for laundry use.

Seen through a stratum two feet deep, the waters presented the following appearances: Kent, Colne Valley, and Tottenham, clear and colourless; New River, clear and nearly colourless; the remaining waters, clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied

to that city was "clear and of average quality."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter. The organic carbon and nitrogen were most unusually high."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

### RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

or	Companies Local Authorities,	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined	Chlorine.	Total Hardness.
	THAMES.	February 1st, Cab Rank, Victoriastreet.	0 10.4	32.30	*206	*030	0	.303	*383	1.7	22.1
	West Middlesex -	{ Cab Rank, Portland-road. }	8.4	33'46	.151	.030	0	*324	*354	1.8	23.3
	Southwark	{ Cab Rank, Bricklayers Arms, Old Kent-road. }	8.0	33.74	•121	-020	0	.306	*326	1.8	23.3
Luner Circle.	Grand Junction -	February 1st, Cab Rank, Uxbridge-road, near Marble Arch.	8.2	33.86	.095	*026	. 0	*328	*351	1.8	23.6
Inne	Lambeth	February 1st, Cab Rank, St. George's- road, Southwark.	7.6	33.30	.132	*030	0	*403	*433	1.8	23.3
	LEA. New River	February 1st, Cab Rank, Tottenham Court-road.	8.3	33.16	.096	*024	. 0 .	*396	*420	1.7	23.9
	East London -	February 1st, Fire Brigade Station, Commercial-road, E.	8.0	38.88	•149	.026	0	*411	437	2.1	26.6
	DEEP WELLS.	71				,					
le l	Kent	{ February 1st, Mill Lane, Deptford. }	10.6	34.90	*020	.009	0	511	520	2.0	28.6
Circ	Colne Valley	{ February 1st, Bushey. }		17.04	.056	.016	.005	*409	429	2.1	6.3
Outer Circle	Tottenham	{ February 7th, Tottenham.		37*28	.021	•011	*065	trace	.065	2.4	22.1
Cor	poration of Birming- am*	February 1st, 56, Nelson-street,	8.3	29:48	.198	•(23	*001	-880	354	1.8	16.0
Cor	poration of Glasgowt-	{ February 1st, Loch Katrine Water. }	5.8	2.80	.808	.088	0	.004	.072	.7	•95
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

\* Analysed by Dr. Alfred Hill, F.I.C., Medical Officer of Health and Analyst to the City. † Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5. 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 1st February at the Victoria-street cab-rank, had a temperature of 10° 4 C.; 100,000 lbs. of it contained 32 30 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained '206 lb of carbon and 030 lb. of nitrogen. The above quantity of water also contained no ammonia, and '303 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was '333 lb. The above weight of water also contained 1.7 lbs. of chlorine; and 22.1 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same

operation transforms the hardness in the Table into degrees of hardness on Clark's scale,

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	OITIES	AND BOROUGHS,	Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	BRISTOL,	WOLVERHAMPTON.	LEICERTED	NOTTINGHAM	DERBY.	BIRKENHEAD.	LIVERPOOL.	HOLTON.	MANCHESTER.	OLDHAM	BLACKBURK.	PRESTON.	HUDDERSFIELD.	HALIFAL.	BRADFORD.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGH.	GLASGOW.	D'EMIS.
ALE.		In Centi- metres.	24.	3.94	1.37	1.93	1	10.41	10.59	92	1 1	5.59	1	1	1.80	1	•	1 1	- 1	1	ı	1	1.82	1 )	60.7	2.11	00.0	1	0.02	16.0	070
RAINFALL.		In Inobes.	23.	1.55	₽2.0	92.0			1.50 1	8	1 1	2.50	1	•	0.11	1	1	1 1	1	1	1	ı	0.73	1 1	1.61		0.00	1	0.05	0.36	11 0
E AIR.	san.	Centigrade.	22.	1.22	3.00	1.78	1 1	3.67	19.1	90.0	1 1	0.78	. 1	•	92.1	1	•	, ,	1	1	1	1	90.0	1 1	0.28	0.55	0.33	1	1.50	1.67	00.0
E OF TH	Me	·tiednerda 4	21.	34.5	37.4	35.2	1 1	9.88	34.9	1.20	1 1	28.4	1	1	84.8	1	1	1 1	1	1	1	3	32.1	1 1	32.5	32.4	32.6	,	34.7	35.0	53.4
TEMPERATURE OF THE AIR	.31	Fahrenheit.	20.	0.01	18.1	23.0	1 1	\$0.0	20.4	7. 12	1 1	23.5	1	1	25.4	1				1	1	1	21.3	1 1	17.0	14.0	10.0	1	19.8	21.0	0 62
TEMPE	.ta	Fa Highe	19.	55.4	55.4	0.19	1 1	9.09	20.0	7 55	1 1	46.5	1	1	45.0	ı	1	1 (	1	-1	1	1	42.8	1 1	49.0	44.0	0.77	1	45.5	45.7	0.70
Late	Deaths	From I) iseases in Cols. 6-12.	18.	5.4	0.7	4.0	1.1	5.0	00 00	2 0	7.7	4.01	1.1	4.1	8.0	5.4	7.4	0 00	10.3	5.5	1.7	0	9.1	2.0	8.0	2.4	2.2	6.1	1.4	5.5	N
Annual I per 1000	To the	From All Causes.	17.	0.12	9.61	16.3	23.6	17.3	17.3	0 0 1	17.3	16.1	14.3	19.3	23.7	2.33	9.66	23.8	31.0	28.2	7.91	ri N	22.22	24.6	9.41	21.4	30.5	18.1	23.3	28.1	53.4
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The DEATHS registered in the Week include		Feret.	11	24	1	-	1 -	1	1	1		٦٠.	1 1	ı	63	1	1 1	-	1 -	٠ ١	1	1	1	1 -	₹ 1	1 67	1	-	1	-	10
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	Deaths o	nfants under l Year of Age.	4.	857	323	9	12	2 63	15	20	32	55	Is o	3 G	6 5	11	4	36	12	17	3 20	9	53	23	25 5	10	26	12 12	16	48	41
during	anding	DEATES.	20	3850	1637	38	49	26	94	45	150	20	0.7	71 88	276	52	215	108	65	N 22	28	33	100	154	154	0,7	0.4	666	119	786	226
Registered during	the Week ending	BIRTHS. D	2,	5842	2698	55	103	42	125	45	279	110	138	43	360	69	248	153	% i	62 06	800	46	131	197	180	80	101	822	151	375	191
-	POPULATION the		1.	9,555,406	4.351.738	121,807	141,253	78,225	229,361	82,544	454,835	150,520	287,812	109 511	606,562	114,670	878,800	284 283	142,405	104.194	92,525	81,080	285,056	357,449	122,126	184.193	160 088	112,712	266,500	528,144	. 353,082
	831.01	Ė	Cols.	28 TOWNS*	· · MOUNT	HRIGHTON .	1.ORTSMOUTH	Norwich	FIRETOI	W OLVERHAMPTON	BIRMINGHAM -	LEICESTER *	Notingham.	DERBY	LIVERPOOL .	BOLTON -	MANCHESTER .	SALFORD* .	OLDHAM .	BLACKBURN	HUDDERSFIELD .	HALIFAX .	BRADFORD*	LEEDS		SUNDERLAND .	NEWCASTIR.	CARDIFF	LUINBURGH -	GLASGOW	DUBLIN

TABLE 2. LONDON.—Births and Deaths Registered in the TENTH Week of each of the Eleven Years, 1879-89.

					.011 2.0					-		
	1879	1880	1881	1882	1883	1884	1885	1886	1887	1858	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females .	2736 1379 135 <b>7</b>	2848 1492 1356	2831 1450 1381	2740 1959 1381	2480 1304 1176	2754 1411 1348	2737 1367 1370	2697 1389 1308	2728 1369 1359	2583 1375 1208	2958·9 1515·2 1443·7	2698 1361 1337
Total Deaths Males Females .	2023 987 1036	1442 737 705	1590 796 794	1793 893 900	1648 882 766	1639 832 807	1678 854 824	2285 1122 1163	1649 843 806	1886 928 958	1922·8 967·7 955·1	1637 828 809
3			-	NAME AND ADDRESS OF THE OWNER, OF TAXABLE PARTY.	_	THE RESERVE THE PERSON NAMED IN						

<sup>\*</sup>The numbers in this column are the average weekly numbers in the tenth weeks of the ten years 1879-38, raised by 9.046 per cent. for increase of population.

TONDON.-BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LONDON	BIRTHS	, DEA	THS,	and N	TETE	ROLO	GX III	the .	Last	THIRT	W EEKS.		
	Dec. 15.	Dec. 22.	Dec. 29.	Jan. 5.	Jan.   12.	Jan. 19.	Jan. 26.	Feb.	Feb.	Feb. 16.	Feb. 23.	Mar.	Mar. 9.
TOTAL Births	2291	2655	1876	2855	2668	2837	2599	2662	2772	2511	2695	2609	2693
Total Deaths	1455	1802	1641	1784	2075	1769	1620	1570	1460	1516	1567	1472	1637
Ages at	720 178 247 251 59	888 197 286 356 75	779 173 277 335 77	825 204 308 366 81	850 218 383 506 118	776 197 288 428 80	709 162 280 394 75	714 158 270 338 90	650 181 243 313 73	655 182 279 322 78	666 202 278 337 84	681 153 254 314 70	695 175 309 391 67
,, {Under 1 year 1-5 1-5 5-20	307 314 99	390 375 123	345 341 93	372 338 115	373 370 107	373 315 88	325 281 103	370 250 94	324 233 93	326 247 82	344 238 84	349 257 75	323 276 96
Deaths from Small-pox  "" Measles "" Scarlet fever "" Diphtheria "" Whooping-cougl "" Typhus "" Enteric fever "" SimpleConta fever "" Diarrhœa and "Dysentery "" Cholera "" all the above- mentioned Diseases	154 17 39 14 - 18 - 11	184 25 39 25 - 12 - 16 -	147 20 34 28 - 8 - 14 -	143 12 33 32 - 14 1 11 -	176 17 21 87 - 10 1 12 1	121 19 38 36 - 7 - 11 -	- 83 20 33 24 - 10 1 24 -	71 11 38 38 10 1 13 -	56 12 24 33 5 - 18 -	-43 16 24 31 - 13 - 10 1	70 14 27 31 1 8 - 16 -	- 67 12 25 31 1 6 - 18 -	77 16 20 29 - 4 3 15
" " Dis. of Respira- tory System " Phthisis – " Dis. of Circula- tory System	330 160 109	440 153 127	412 152 130	484 154 160	652 187 195	492 136 155	456 152 141	409 138 142	340 140 132	376 158 120	362 156 130	362 127 116	402 161 150
Violent Deaths Inquest Cases Deaths in Public Institutions	- 40 - 86 353	81 154 395	52 107 335	61 132 360	58 143 398	63 121 386	50 102 401	55 104 382	49 91 314	98 375	65 114 353	57 118 353	52 114 394
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	- 33·3 - 38·8 - 27·9	44.4	47.3	36.1	35·3 39·7 30·9	37·8 41·0 34·0	43.3	43·1 49·4 36·5	35.6 41.9 30.2	34·3 40·9 27·1	41·4 47·3 36·2	37.7	37·4 46·3 28·9
Humidity of the Air - Rain-fall in inches -	- 93 - 0·00	94	90	93 0·00	93 0·49	87	93 0·15	88.	81	84	81	83	75 0·54
Registered Sunshine (in hour	s) 3·8	6.2	4.6	3.2	2.7	1.5	5.3	13.0	7.4	8.7	14.9	7.6	26.0

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R. S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., Ll.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; F. Smpson, Esq., W.D., Leicester; Arthur Erown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Harthup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.-DEATHS Registered at several groups of Ages from different Causes in the

					TE	NTE	r W	/eel	s of	the Year 1889.										
	for the years		In Satur	the day,	Wee 9th	k en	ding	89.	-		for the		Satur	n the					-	
		Deaths of Persons of the Ages									s for									
	Averages sks of the 10 1879-88.*	-	1 ,		1	of des	0.	80.	1-	ALTONO OF DEATH	Averages f ks of the 10 1 1879-88.*		l r			- 1	. 8	80.	-	
CAUSES OF DEATH.		E8.		Inder 20.		under 4	under 60	under 8	s and	CAUSES OF DEATH.	eks o	10	-	Jnder 20.		under 40	under 6	Eq.	s and	
	oted	A.G					and un		) hears		ected a We	AGES.			0.	and un	an pas	un pr	y Years upwards.	
100	Corre 10th	ALL	0-1.	1-5.	5-20	20 and	40 at	60 and	au up		Corrected Avera 10th Weeks of th 1879-88	ALL	0-1.	1-5.	5-20.	20 21	40 ar	60 and	dn	
ALL CAUSES	1922.8	1637	323	276	96	175	309	391	67	Diseases of Organs of Special Sense †	2.1	-	-	-	-	-	-	-	-	
Small- (Vaccinated; -	2,405	-	-	-	-	-	-	-	-	Diseases of Circulatory									-	
Small- pox Unvaccinated No Statement	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	-	-	-	-	-	-	-	_	System	136.4	150	4	1	7	16	41	72	9	
Measles	39·3 24 8	77 16	12	58	7	1	~	-	-	Croup	12.2	13	1	11	1	-	-	-	-	
Scarlet Fever Typhus	1.1	-	-	-	-	-	-	-	-	Bronchitis Pneumonia Pleurisy	844·7 123·2 6·0	249 99 3	48 25	31	5 4	12 1	46 15 1	96 12 1	10	
Relapsing Fever †	0.0		-	-	-	-	-	-	-	Other Diseases of Respi- ratory System}	48.0	38	4	8	-	3	18	8	2	
Influenza Whooping-cough	90.3	29	9	19	1	-	-	-	_			-						_		
Diphtheria	13.8	20	-	10	10	-	-	-	-	Dentition † Quinsy, Sore Throat † - Enteritis	19.5	8	4 -	4 -		-	-	-	-	
Simple Continued and Ill-defined Fever	1.8	3	-	3	-	-	-	-	-	Peritonitis	7.5	6	8 - 2	1	-	1	1 2	2	-	
Enterie Fever	14.7	4	-	1	2	-	1	-	-	Diseases of Liver Other Diseases of)	33.8	20 26	7	3	-	1 4	9	7	3	
Cholera	0.2	15	7	3	1	-	-	2	1	Digestive System - }							_		·	
Diarrhœa, Dysentery - Remittent Fever†	0.3	-	-	-	-	-	-	-	-	Diseases of Lymphatic)		0					0	I		
Hydrophobia	0.0	-	-	-	-	-	-	-	-	System & of Ductless Glands †	1.2	3	-	-		1	2	-	-	
Glanders Cowpox and Effects of	0.0	-	-	-	-	-	-	-	-	Discours of History		-				-	-		-	
Vaccination †}	0'3	-	-	-	-	-	-	-	-	Diseases of Urinary System }	42.5	49	-	1	2	8	15	21	2	
Venereal Affections - Erysipelas	12·9 4·5	11 -	9	-	-	- 1	1	1									-			
Pyamia and Septicamia †	4.1	-	-	-	-	-	-	-	-	Diseases of Generative	5.7	6	1	77	-	3	1	1	-	
Puerperal Fever	6.8	4	-	-	- 5	3	1	-	-	Accidents of Childbirth -	2.1		_		-		-	-		
Other Zymotic Diseases †	2.0	2	-	1		1	_	-		Diseases of Locomotive)	6'4	6		-	1	1	4	-		
Thrush	1.2	-	-	-	-	-	-	-		System † 5			-		-	-			-	
Worms and other Para-}	0.0	-	-	-	-	-	-	-	-	Diseases of Integumen- tary System}	7.0	6	1	-	-	-	2	3	-	
Stangation Went of)														-		-	-		-	
Starvation, Want of Breast-milk †}	1.2	2	2	-	-	-	-	-	-	VIOLENT DEATHS.§										
Alcoholism	5.0	10	_	-	_	4	4	2	-	ACCIDENT.)										
Rheumatic Fever,	7.2	7	-	_	4	1	2	_	_	Fracture and Contusion Gunshot Wound	20.7	18	-	1	7	2	2	5	1	
Rheumatism of Heart† 5 Rheumatism †	3 2	5	-				2	2	1	Cut, Stab Burn and Scald	0.2 7.4	11	-	7	2	2	-	-	-	
Gout	3.2	2	-	- 1	-	-	1	1	-	Poison Drowning	0·9 5·7	1 3	-	-	1	1	1	-	-	
Rickets†	5.3	6	1	5	-	-	-	-	-	Suffocation Otherwise	15.5	12 2	11 L	1	-	-	1	-	-	
Cancer Tabes Mesenterica -	49°2 25°8	70 12	7	3	2	6	33	26	3	Other was			-	-	-	-		-	-	
Tubercular Meningitis -	33.0	22	6	9	6	1	-	-		(Homicide.)									I	
Phthisis	190.8	161	2	5	13	77	53	11	-	Murder & Manslaughter	1.9	2	1	-	-	1	-	-	-	
Scrofula, Tuberculosis -	17.6	24	9	6	8	-	1	-	-							-	-	-		
Diseases †}	10.5	21	2		1	6	4	8	-	(Suicide.)	0.8		_			_	_	-	-	
Premature Birth	37.2	35	35					_		Cut, Stab	1.6	1 2	-	-	-	1	1	1	-	
Atelectasis +	2.7	4	4	-	-	-	- 1	-	-	Drowning	1.0	=	-	-	-	-	-	-		
Congenital Malforma-	7.3	5	4	1	-	-	-	-	-	Otherwise	0.5		-	-	-	-	-	-	-	
Old Age	70.5	59	-	-	-	-	-	34	25											
Apoplexy	52.5	65		-	7	4	17	37	6	(EXECUTION.) Hanging	0.0	_	_	-	-	-	-	-	-	
Epilepsy	9.3	11	1	-	1	3	1	5	-						-		-	-		
Convulsions	60.2	43	85	8	-	- 1	-	-	-	OTHER CAUSES †	69*4	65	58	3	-	-	2	2	-	
Other Diseases of Brain and Nervous System	103.9	86	8	20	6	5	18	25	4					-					1	
		-					-				THE OWNER OF TAXABLE PARTY.	-		_					-	

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9°046 per cent. for increase of population.

As the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the descased has, or has not, been vaccinated, or when the cause of death is not cortified by a registered etitioner, the case is returned under the heading "no statement."

The evidence at inquests is often insulticent to cnable the Coroner to certify whether a violent death be the result of accident, marder, nalaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE S. L()NDON .-- POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from Swall-pox, Measles, Scarlet during the Week ending

			1	1	_					_	_				_	11 66	k eu	ding
				The DEATES registered in the Week include  Deaths of Deaths from														
	Enume-			Dea	the of	-		1		-	he m		,				blio	90
REGISTRATION	Popu-	98	THO.	10r	od 60 pwds			er.		Whooping-cough		(or	ler.				2 6	Causes
SUB-DISTRICTS.	lation,	BIRTES	DEATE.	under of Age.	aged at upw	pox.		Fever.	eria.	-Bui		o pi	d Fever	OBB.	9	Cases	Deaths in I	Uncertified (of Death.
		Total	Total	Infants	Persons Years	Small-pox.	Measles	Scarlet	Diphtheria	poop	Typhus.	Enterie (o	Simple o	Diarrhoa	Violence	Inquest	aths	certi
sales and the sales of the second second second second second second second second second second second second		H	H	=	Per	200	A	- 2c	ia	3	=	En	3	<u>a</u>	<u>×</u>	=	De	Co
LONDON	3,815,704	2698	1637	323	458	-	77	16	20	29	-	4	3	15	52	114	394	24
WEST DISTRICTS	669,638	398	285	42	99	-	10	-	2	5	-	1	1	1	8	19	84	4
North Districts	905,947	633 157	329 135	66	88	-	13	4	1	7	-	1	1	6	7	23 16	76 85	1
CENTRAL DISTRICTS	692,738	519	321	66	88	-	5	3	2	1	1-1	1		2	13	23	101	1
SOUTH DISTRICTS - HDJ-) METROPOLITAN ASYLUM HDJ-)	1,265,148	991	566	118	149		43	8	11	13	-	1	1	6	17	25	97	17
London	-		1				-	1		-	-	-	-	-		-	1	-
WEST DISTRICTS.  St. Mary Paddington WHH G.J. & W.M.	69893	48	24	4	14	-	-	-	-	-	-	1	-	-	~	-	7	_
St. John Paddington H - W.M.	37330 120141	14 64	8 85	-	1 18	-	-	-	-		-	-	-	1	ī	8	5 10	
Brompton H W.M. &C.	43010 7599	7 2	16	7	7 2	-	-	-	-	-	-	-		-	-	1	4	
St. Paul Hammersmith H W.M. & G.J. Fulham Www - W.M. & C	64340 42900	58 56	35 40	6 5	9 12	-	5	-	2	1 2	-	-	1 -	-	1	3 2	11	
Chelses North-west WHHHHH. C.	0396 21925	20 12	13	6 1 1	6	-	1	-	-	-	-	-	-	-	1 -	3 1 2	12	-
May Fair WW G.J.	32807 30353	28 11	18	-	9	-	2	-	-	ī	-		-	-	-	-	11	1
Belgrave WHHH- St. John Westminster HHH St. Margaret Westminster H - C.	59220 35496 24679	22 24 10	32 10 14	3	8 4 5	-	ì	-	-	1	=	=	-	-	2 -	3	12	1 - 2
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	29941 19608	11	10	1	6	-	-	-	-	-	-	- 1		-	1	1	8	-
NORTH DISTRICTS.	10000																-	
Ali Soula Marylebone HHHH - W.M. Cavendish Square HHHH W.M.	26759 14391	10 5	15 5 11	3	3	-	3	-	-	1	-		-	-	ī	2	9	-
Cavendish Square HHHH — W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb . HHH G.J. & W.M. Christchurch Marylebone !!!! - W.M.	24809 21118 33700	7 32 27	8 16	5 2	2 1 7 2	-	0	-	-	1	-	=		- 1	-	1 3	3	-
St. John Marylebone H W.M. Hampstead WwwHHHH N.R. & W.M	83633 45452	16 39	11 13	3	2 4	-	-	-	-	-	-	-	-	1	-	-	=	
Regent's Park Paneras H W.M. Tottenham-court wHHHHN.R.&W.M.	89115	24 8	9	1	1	-	-	-	_	-	-	-	-	1	1	1	3	-
Grav's Ina Lane HHH N.K.	27729 30247 84369	18 29	15	6	3 2 1	-	-	-	1 -	-	-		ī	-	-	ī	9 5	-
Somers Town $H-$ N.R. Camden Town $WH$ N.R. Kentish Town $W$ N.R.	17311 87487	14 59	14 24	5 4	6	-	-	-	-	-	-	=	-	1	-	2	8 4	=
Upper Holloway WWwH N.R.	67946 100976	54 78 40	38 22	10 3	8 5	-	5	-	-	1 2	-			1	-	2	15	-
Islington South-east N.R. Highbury H N.R.	61895 52048	34	17	4 2	6	-	1 -	1	-	-	-	-		1	1 -	3 2	-	
Stoke Newington $H$ N.R. Stamford Hill E.L. West Hacknes $H$ N.R.	22781 9277	18 10	11 3	8 -	4	-	ī	-	1	-	-	= 1	-	-	1	1	-	1
Hackney WwwwH E.L.&N.R.	87610 76911 39583	25 63 25	9 38 7	6 2	17 8		1	3	2	-	-	1	-	-	3	4	17	-
CENTRAL DISTRICTS.								-		1	-	-	-	-	-		-	
St. George Bloomsbury  St. Giles South WH N.R.  St. Giles North N.R.	16681 14864	5 9	10	3	1 2	-	1	-	-	ī	-	-	-	-	2	2	- 2	-
Se Martin-in-the-Fields HH N.R. & C.	13837	6	9	-	1	-	1	-	_	1	-	-	-	-	-	-	5	
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	8	9	3	2		-	-	-	-	-	=	-	-	-	1	5	
St. trees-the-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R.	18671	14	14	1 3	5	-	-	-	1	-	-	-	-	-	-	1	4	
	6583	8 4 11	8	-	1 2	=		-	=	ī	-	-	-	-	-	ī	1 -	
Amwell Clerken well	19281 14773	12	7	5	8	=	ī	_	-	=	-	-	-	-	ī	1	-	-
Goswell-street  Old-street  Oity-road  HHL  N.R.  N.R.  N.R.  N.R.  N.R.  N.R.	17506 11541 18628	11 11 19	5 3 11		2 - 3	-	1 -	-	-	=	=	-	-	-	-	1.	-	
Whitegross-street N.R.	9217 7463	10 2	4	3 -	1	:	-	-	-	-	1 .0	-	-	-	-	-	2	-
Holborn Union Workhouse, Mitcham, w. St. Isotolph H - N.K.&E.1.	11174	7	1 8	1	5	-	-	-	-	-	-	-	-	-	-	1 -	ī	-
Bu Bush = NR	7100	ī	14	-	2	-	1 -	-	1=	=	-	-	=	-	1	1	-	-
Allhaliows Barking N.E.	8896 13666 5652	5 1 2	1	1	-	-	-	=	-	-		-	-		5 -	5	14	ī
Bross Street H N.R.	9653	1 2	11 1	1 -	1 -	-	1 -	1 -	1 -	-	-	-	-	-	-	-	-	-

ors.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely. W Workhouse H—Hospital; L—Lunatic Asyum; w—A Workhouse Establishment receiving immates from other Districts than that in which is stands of the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts 1—d.J. signification Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East London; and K. the Kent Company.

WER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sun-district

turday, the 9th March, 1889.																	T ALL	
							The	DEA	THS P	egiste	red i	n the	Week	kins	uie			
	Enume			Deat	hs o				1	Death	s fron	n						
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total Burres.	Total DEATHS.	Intants under ! Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measter.	Scarlet Fever.	Diphtheria,	Whooping-cough,	Typune.	Enteric (or Typhoid) Feve	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes of Deaths.
FAST DISTRICTS.  Tolywell Shoreditch - N.R. & E. I.  t. Leonard Shoreditch + HL*, - N.R. loxton New Town w N.R.  totton Old Town N.R.  aggerston WH N.R. & E. L.	7376 14967 29937 28036 46275	2 11 20 21 23	2 3 18 4 21	1 1 1 22 04	919	11111		11111		11111	1111	1	11111		11111		2 6 7 9	
ackney-road H- reen, Bethnal Green WHL* - E.L E.L. own, Bethnal Green - E.L E.L.	29738 47932 29981 19810	26 40 24 12	10 27 10 4	2 6 2 2	1 2 1	1111	3	1 -	1111	1111	-	1111	1111	-	1	3 2 -	8 -	1 1 1 1
pitalfields E.L. & N.R. file End New Town W - E.L. & N.R. codman's Fields E.L. digate - N.R. & E.L.	22585 15473 17490 9713 £102	22 20 10 2 3	9 22 16 3 4	5 2 1	1 7 3 2	1 - 1 - 1	1	1111		1 1 -	-	11111	1 1 1 1	11111	2 -	141	15 12	1
t. George's, North t. John, St. George East W - E.L.	88747 8410	33 10	9	4 2	2 3	2 -	-	-	-	-	-	-	-		ī	2	8	-
hadwell $HH$ E.L.& N.R. lateliff E.L. imehouse E.L.	10893 16107 82041	11 7 28	10 7 11	1 2 2	1 4			1	111	1 1 1	-		1 1 1 1	1 1 1	111	111	4	
dile End Old Town West - E.L. dile End Old Town East Www.H-E.L.	87960 67658	85 48	15 23	5	<b>3</b> 9	-	1 -	-	1		-	1	-		1	1 2	ıĩ	
Sow $-\frac{E.L}{\text{tomley } WWH}$ $-\frac{E.L}{\text{coplar } WWH}$ $-\frac{E.L}{\text{coplar } E.L}$	37074 64359 55077	28 60 23	13 40 23	5 8 4	2 11 9			1 -		1 -		111	111	-	4 2	5 6	19 5	111
North Districts	13668 11999 21851 15953 21318 26672 59555 21623	10 11 14 15 13 14 48 19	5 4 14 8 10 7 26 11	- 3 2 8 1 7 6	8 1 2 - 1 6 1	11111111	1 1 7 1	2		1 2 1	1111111	1			1111111	1	1 2 -	1 00 1 1 1 1 1
at. Olave WH S. & L.  t. Mary Magdalen W S.  t. James Bermondsey - S.  totherhithe WH S. & K.	11956 16300 15669 54683 86024	10 9 16 40 24	17 12 8 24 17	2 3 6 2	2 2 8 6	-	2 5 8 3				1111	11111	1111	1	2 - 2 1	8 - - 2 1	12 - 2	
Waterloo-road 1st   H -	15195 16351 19876 39859 45282 35332 62837 19017	10 18 5 29 88 22 34 10	7 8 22 04 28 13 24 4	2 - 3 4 4 1 4 2	1 1 15 6 3 11	1111111	2 4 - 1 -	1	2 - 2 1	1 2 1 1 1 -	1111	1111111	111111	1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 1 -	15 16	1 1 1 -
Tast Battersea	54675 52587 36380 28004 13235 25553	43 46 26 29 6 29	23 25 9 11 5	6 5 3 2 -	6 9 3 2 2 6	11,111	1 1	11111	1 - 1	1	-		11011		1	1	5 - 4	2 1
Ulwich	5590 59104 71089 50810	1 87 49 81	8 37 17 23	6 4 3	1 14 4 4		- 4	î		-	1 1 1 1	-	1.1.1.1	1			15	1
t. Pau: Deptiord was - K, St. Nicholas Deptiord K, Steenwich West H K, response East WHH K,	76752 7901 21972 24603	66 6 14 . 23	29 4 5 14	12 2 - 2	6 1 2 9	1111	1 -	1 -	1 -	1			1111		2	3	10	3 1 1 1
Citham H K. Lee H K. Lewisham WH K. Tydennam H L.	5048 21559 19865 26076	2 15 14 27	5 12 8	3 - 5	1 5 -	1 - 1 - 1	1111	1					1111	1111	1	i	1 3 -	1 -
hariton H K. Woolwigh Dockyard K. Woolwigh Arsenai HH K. Jumstead, West H K. Clumstead, East W K.	10930 17617 19048 14009 19241	8 14 15 11 17	5 5 4 15	1 2 1 2 1 3	1 2 2 4	12.0	1	1 1 1	1	1 11 1			-	11111	2 -	2 -	7.	1111
Uetropolitan Asylum Hospitals:  Dartford w Winchmore Hill w Plaistow w			1		-	1111		1	1.1.1		1 1 1			1 - 1 -			ĩ	111

lollowing WoxEffolds Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the Table by w:-

we Table by w:
Marylebone Infirmary in Kensington Town sub-district.

Coural London Sick Asylum, in Tottennam Court-road aud-district.

Bottom infirmary in Upper Holloway sub-district.

Incancy sub-district.

Incancy sub-district.

Mile End Old Town bastern sub-district.

More End Old Town bastern sub-district.

Stepney Workhouse in Bromley sub-district.

Popiar & Stepney Sick Asymm
Wessminster Union Industrial School in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.

Metrophysica Asymm District Hosoitasis in Frincam Hampstead, Hackney, Brixton, and St. Paul, Deptord sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - Area; Population; Births and Deaths registered during the Week ending Saturday, 9th March, 1889.

				Wee	k end	ing S	aturd	ау, 9	tu M	aren,	1009	•						
	-	Area				100		7	he Di	SHTAS	registe	red in	the V	Veek 1	neiude			
Regis-		in Acres,	Enume-			Dest	hs of			1	Deaths	fro n						
District and	REGISTRATION	inclu-	rated Popu-	HS.	DEATHS.	e	aged 60			.:		ough.				. 68.	Public	Uncertified Caus-
Sub- district	SUB-DISTRICTS.	Tidal Water	lation,	BIRTHS	DEA	under of Age.	Age.	OX.		Fever.	eria.	acoping-cough		Oble.	uB.	t Cas	athe in l	ritted
Num-		Fore-	1881.			Infants Year	Persons Years	Small-pox,	Monslos	Scarlet	Diphtheria,	goop,	Ferer.	iarrii (Be	Viotence.	Inquest Cases.	Deaths in	Juggr
bers.		shore.				- In	Pe	70		<del>Z</del>		* -		-	-	-	-	~
LO	TOON-OUTER RING	370.934	950,957	787	386	93	108	-	6	-	4	4	5	5	5	20	51	6
80:1	Carshalton wL Epsom (part of) * Ww!!	12228 9971	21118 10710	- 17	16 8	2	<b>5</b>	-,	-	-	-	-	-	1 ~	·1 -	1	10	:
37 : 1	Godstone (part of)	2754	1235	1	_	7 - 1900		-	-4-	-	_	-	-	-		-	-	
38:1	Croydon WwHIIL -	20851	101211	65	41	14	8	-	1	- 1	-4-	3	1	1	-	2	7	-
2 201.1	Mitcham 10 † -	11697 3220	17982 15950	7	7	3 2	1 2	-		-	-	-	1	1	1	1		-
39:1	Wimbledon HHH - Kingston WHH	8549	36354	28	20	6	6	-	-	-	-	-	-	-	1	1	3	- 1
8	Esher (part of) * - Hampton H	6601 4573	9221 13539	9	2 7	8	2		-	-	-	-	-					-
40:1	Richmond WH	2372	21302	12	6	3	-	-	-	-	-	-	. 1	-		-1	8	-
2	Mortlake -	2911	12331	. 2	8	-	2 5	-	-			_	-		7	-	-	1
41:1	Bromley (pt. of) * HH Chialhrat(pt.of) * WHII	15649 14307	31142 15844	21	11 2	3 -	1	-	-	<u></u>	-	-	-	-	-	1	-	-
43:1	Bexley H	18437	24134	17	5	i .	1	-	-	-	-	-	-	-	-	-	-1-	-
2 . 124: 1	Dartford (Ww, pts. of)*	11055	11685	5	1	-		-	-		-		-	-	-	,=	-	-
2	Staines W	13277	12089	6	6	-	4	-		2	-	- 1	-			~	3	-
125:1	Hillingdon WHH - Uxbridge	6029 6178	10802 3225	1	1	2	1 -	-	-	-	1	-	-		-	-	-	-
3	Hayes wHL -	14597	11528	8	5	-	1	-	**	-	-	-	7,	-	-1	-	8	-
126:1	Isleworth WIIH - Twickenham H	7003 2477	22:27 12479	15 3	15	2	7 2	-	-	-	-	-	-	1 -	-	-	8	-
3	Brentford HL	4345	27849	14	5	-	8	~		-	-14	-	-		-	1		_
5	Chiswick	1340 6083	15975 22876	10	6	3 -	8		-	-	1	-	-	-	-	2 -	-	-
127:1	Harrow R	13809	12798	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Edgware H Willesden	6994 4383	3749 27453	8 85	1 11	2	3	-	-		-	-	-	-	-	1		
	Hendon W	8382	10434	8	6	-	1	-	-	-	-	-	-	-	1	2	2	-
137 : 1	Bushey Watford (W, pt. of)* -	9331	6621	3	2	-	-		1 -	-	-	-	-	-	-	-	-	-
198: 1		15599	6391	9	5	2	2	-	-	-	-	~	-	-	-	-	1	-
2 3		5433 4688	10092	10 14	1 10	-	1	-	1	-	-	1	-	1	-	-	- 5	-
185:1		8806	583	14	10		-	-				-	-	-	-	-		
199:1	Hornsey H	8039	37078	29	10	2	3	-	-	-	-	-	-	-		-	-	-
2		4642 7483	48456 23463	63	19	6 2	6	-	-	-	-	-	2	-	1	2	3	
1 4	Enfield WH -	12653	19104	14	7	2	2	-	-	-	-	-	-	-	-	-	-	-
	Waltham Abbey	11017 8480	3363 778	8	1 2	1	1	-	-	-	-	-	-	-	-	-	-	-
186:1		1 000	38606	46	14	8	5	-	-	-	-	1	-	-	-	-	-	1
	West Ham www.u.H§- Loyton WwL	7351 4872	101053 32430	104	49 13	12 5	10	-	8	-	2	-	-	-	1 -	2	1 5	8
	Waithamstow H -	6520	28869	42	20	6	5	-	-	-	-	-	-	-	-	3	-	-
187 :	Chigwell (part of) * H Epping (W, pt. of)*	11761	9689	12	8	1	1	1:	1	-	-		-	-	-	-		-
189:	Romford (part of) * W	6730	3411	7	4	1	8	-	-	-	-	-	-				3	-
	2 Ilford 3 Barking Town	8498	7645 9203	15	8	1	1	-	-	-	-	-		-	-	1		-
	plant and men and and	11111	2500	1.10	11 0	1 4	1 1	1	1 -	1 .=	1.	1 -	1 -	-	1 -	1 -	-	_

<sup>\*</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow: The parts of sub-district included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:—30:2. Epsom sub-district, except the parishes of Ashatead and Headiey (pop. 1265); 37:1, the parishes of Wariingham and Farley in Godstone sub-district; 39:3. Esher sub-district, except the parish of Esher (pop. 1983); 41:1, Bromiey sub-district, except the parish of Cudham and Knockholt (pop. 1818); 41:2, Chislenurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hattleld sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Boils (pap. 875); 189:1, the parish of Dagenham in Romford sub-district. 42:2, Dartford, 187:2, Watford, and 187:1, Epping, sub-districts, deaths in Workhouse, belonging to Metropolitan Police District, Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strani Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 9th March, 1889.

5				ANNUA	LRATE			The DE	ATHS	regi	atered	in t	he W	ee <b>k</b> i	nolud	е	
	GREATER	Area in Acres,	Estimated.		RTALITY 0 living.	DEATHS	Deat	hs of			I	eath	s fron	n			Public ions.
	LONDON.	including tidal water and foreshore.	middle of 1829.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhos.	Violence.	Deaths in Pu Institution
	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
GRE	EATER LONDON	448,334	5,642,015	18.7	1.7	2023	416	566	-	83	16	24	33	12	20	57	448
	INNER LONDON - OUTER RING -	77,410 370,924	4,351,738 1,290,277	19°6 15°6	2.0	1637 386	323 93	458 108	-	77 6	16	20 4	29	5	15	52	394

NOTE.—The area of Greater London is 448.334 acres; of which 4.892 acres are tidal water and foreshore. This area is equal to 700°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,551,080 Persons.

i .							DE	ATHS	FROM	PRIN	es.	ZYMO	_
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETU Week end		BIRTHS.	DEATHS.	ANNUAL DRATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœal Diseases.
CALCUTTA	433,219	November	24	_		-	-	-	-	. 1 -1	^_		-
ROMBAY	773.196	February	12	259	436	25.1	5	20	2	2	3	134	42†
MADRAS	398,777	January	25	279	342	41.5	-	6	?	3	5	91	61†
PARIS	2.260,945	March	2	1374	1027	23.6	6	31	7	37*	2	16	59
(with 8 Faubourgs.)	462,069	3)	2	300	177	19.2	-	3	-	-	-	2	17
AMSTERDAM .	390,016	33	2	320	187	24.3	-	10	1	7	2	3	-
KOTTERDAM -	197,723	99	2	133	117	30.6	-	-			2	1	3
THE HAGUE .	153,440	19	2	107	: 52	17.6	. =			, <del></del>	-	1	-
COPENHAGEN -	307,000	February	23	267	115	19.5	-		3	3	7	1	7
STOCKHOLM -	221,549	20	23	165	93	21.8	-	-	4	3*	~	1	3
CHRISTIANIA -	135,609	March	2	58	60	23.0		1	-	6	2	, -,	- 4
ST. PETERSBURG	842,883	February	23	- '	564	34.9	-	-	13	8	5	18	- 60
BERLIN	1,470,582	3)	16	969	651	23.0	-	10	6	25	10	3	51
HAMBURG(State)	₺50.694	19	23	427	334	31.6		1	2	11*	6	2	60
DRESDEN	264,196	. 99	23	180	109	21.5	5	-	- 7	7*	2		6
BRESLAU	313,451	March	2	260	151	25.2	-	1	-	12*	1	_	11
MUNICH	281,000	February	23	215	176	32.1	-	6	2	12*	- 8	5	31
VIENNA	811,434	13	23	521	420	26.9	-	12	10	8	3	4	4
PRAGUE	300,828	n .	23	-	172	29.8	19	9		3	_	7	15
BUDA-PESTH -	452,907	30	23	370	252	28.9	2			_	4	_	-
TRIESTE	158,084	. 27	23	-	98	32.5					_	111	13
Rome	461,044	January	12	279	272	35.3	6	7		2	1	114	17
TURIN (11 days)	308.398	19	31	271	197	21.3	1	2	2		- 1		5
VENICR	153,218	February	16	92	111	37-8	5	-5	-			- 10	81
CAIRO	374,938	,,,	14	418	301	41.9	1	1	-	1	3	15	46
ALEXANDRIA -	231,396	33	14	234 .	221	49.8	2	13	-	2°	2		
New York -	1,549,500		16	-	786	26.5	1	24	47	52	10	4	12
RROOKTAR -	814,505	3) D.	16	_	364	23.3	-	4	9	36	10	1	3
PHILADELPHIA -	1,040,245	23	16		417	20.9		-	_ 8	9	·ð	21	3
BALTIMORE .	500,343	33	16	-	155	16*2	-	-	-	6		*	0
		4		12			1						_

<sup>\*</sup> Including deaths from croup.
† Including 5 deaths from cholera in Bombay, and 4 in Madras.
‡ Including 8 deaths from realarial fever.

TABLE 9. - METEOROLOGICAL OBSERVATIONS taken at the ROYAL CASERVATORY, GREENWICH, during the Week ending Saturday, 9TH MARCH, 1889. [Under the Superintendence of the Astronomer Royal.]

									1etec	rolo	yee	at Co.	servaiu	,,,,,					e.	
		Ozone	0.0	1.0	3.0	1.8	10.5	17.5	1.0	0.0	27	the sea; no	ussion r, and admg	ne air duced	raphic	" and	below I. and n bhe	The	s, show	.03 in.
Rain	in a Gauge whose	surface is 5 inches above the Ground.	in. 0.00	0.00	00.0	0.00	18.0	0.18	20.0	Sum 0.54	26	vel of the sea; no	rmomete m a dise aromete l mean re	the max tre of the y are de	e photog ntal mov	1875. "higher	Deption	trometer s. strong	strument	reek to 30
		Depar- ture from Average of 16 Years.	Miles.	-198	-197	1	+150	+123	+161	Sum -266	25	an level	bulb the meed fro for the l	mperaturing or humidit	on of the	s ending adjeates	pth of tarket at instructi	ing Elec	shine Ins	r of the v
	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	187.	133	259	481	456	492	Sum 2073	4.5	ve the me	the wet tions dec ding 1873	lue of te egree of mometers	discussind that o	e 16 year that + i	od at a de Cattle M , under	f-register k; m. m	kes Suns	rom 29°80 in. at the beginning of the week to 30°03 in in. by 1th. P.M. on the 8th; and increased to 20°52 in.
ometers	1 0	E Trans	lbs.	0.0	0.0	0.0	6.0	7.0	1.1	:	23	et abov	corrections on the corrections on the corrections on the corrections on the corrections of the corrections o	illy va and d	from 8	nor th	spende reign farket	n's sel	ell-Sto	at the
п Апет	Pressure on the	Least. h	lbs. 1	0.0	0.0	0.0	0.0	0.0	0.0	:	2.5	159 fe uce to	nomet tion of nuty ye momet	rected an da ature	rived	ecords rue III	are su the Fo	homso	Campbon day	.80 fm.
teed from	Pressu	Great. L	lbs. 1	0.0	0.0	1.0	5.5	2.1	10.3	:	15	eter is to red	pplica he twe	he cor temper	hat de	letric r	harnes es of erk of	rom T	the on ear	roth 29
Wind as deduced from Anemometers.	Osler's.		NE. & ESE.	ESE.	SE. & S.	SSW. & S.	SSW.	SSW. & SSE.	WSW. & 1	SSW.	20	of the baron the readings	the dry bull lues by the a lade during t	s, forming to dew point of the dry	f the air is turing the 20	the anemonand 25 it will	ater of the T of the jett d by the Cl	is derived f	derived from	o midnight, er increased f ased to 28°84
	Conoral Direction	А.М.	ESE. & E.	Calm & ESE.	ESE. & SE.	S. & SSW.	SE. & SSE.	SSW. 3	WSW.	ESE. &	19	The height of the cistern of the barometer is 150 feet above the mean level of operations are applied to the readings to reduce to sea level.  Observations are named to the readings to reduce to sea level.  Observations are named to the readings to the name of the name	eperentings of the barometer, the dry bulb thermometer, and the wet bulb themometer, are eperentings of the barometer, the dry bulb by the application of corrections defined from a discussion for the photographic records made during the twenty years ending 1873 for the harometer, and during the twenty years ending 1888 for the themometers. With the corrected mean reading	or the dry bulb thermometer is commoned the corrected intead to the returning of the maximum and minimum thermometers, forming the mean daily white of temperature of the air dollars. The mean daily dew point temperature and degree of humidaty are defluxed from the mean daily values of the day and wet bulb intermometers by districts.	nictrical lables.  The average temperature of the air is that derived from a discussion of the photographic reforms and each from the statement of the average temperature of the air is that derived from a discussion of the photographic reforms made at Greenwich during the 20 years ending 1808, and that of horizontal movements.	of the arr from a discussion of the anemometric records for the 16 years ending 1875.  In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and  - "loneer," than the average.	The thermometers in the water of the Thames are suspended at a depth of two feat below the surface, at he end of one of the jetties of the Foreign Cattle Market at Deptecal, and their readings are registered by the Clerk of the Market, under insurccions from the	Opporation of London:  The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—F. positive; N. negative; w. weak; m. moderate; s. strong; and	V. Variable.  The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggreeade duration of bright sunshine on each day.  The results of all the meteorological observations are to be understood as applying to the	civil day, or from midnight to midnight. The reading of the barometer increased by 9h. P. M. on the 5th; decreased to 28.
Difference between TEMPERATURE.	Vater	Low-	0.28	36.3	35.9	35.0	36.1	37.3	0.68	8.98	18	tht of has be	gs of t into r tograp	num min Th	metrical Lables. The average te records made at	from a ing th	rmomere, at the	on of 1 cord of employ	mbers grate di	or frod
TUBE	Of the Water of the Thames	High-	0.14	40.8	20.88	38.5	7.88	0.68	8.07	39.68	17	he hei	readin verted he pho ing th	ne dry mini lumn S	he ave	he air n read 'lower	he the	he reubols	The nu the results	il day, Phe rea 9h. P.1
TEMPERATURE.		S. S.	0 10.2	12.3	0.21	15.6	58.0	37.0	-8.8	22.5	15	Too			1 E	jo l	the	9 3		(C) (C)
TE	Of Radiation.	High- est in Sun's Rays.	8.90	8.26	9.16	2.28	62.3	83.5	0.111	91.1	15		ut gene 6h. P.M	st; finerwards	oughou Il atter	enerall			norning adless	
	Degree of Hu- midity		64	62	89	22	66	06	73 1	7.5	14	si si	fine b	oar fre	ine thrailed ti	cloud g			early n igi; clou	
veen		Least.	6.2	5.0	73.	8.0	0.0	9.0	1.0	87	13	MARK	w fell	nuch b	very f ud pre	of light	, A		ry in evenir	
Difference between	the Air Temperature and Dew Point Temperature.	Great-	0.51	13.4	15.9	14.7	8.0	8.4	17.8	12.5	12	L RE	ittle sno	with 12h. P.M	rning;	nounts	requent	rain.	showed till	
Differe	the Air and Ten	Mean daily value.	0.01	6.01	6 8	8.5	2.0	2.9	97 00	7.1	11	GENERAL REMARKS	ing a l	orning, udy tili	rly mounts afterwa	Very fine; variable amounts of light cloud generally evailed.	Rain fell frequently.	Frequent rain.	y, and lly clou	
	Of the Dew		9.61	0.61	8.73	0.65	1.7	45.5	34.5	\$0.4	10	GE	ly morn udy til d dag.	eold m	in ea small a	ne; var			, wind partia	
E.	sortion relation	De- parture from verage of of	-10.7	9.01-	30 30	- 3.3	61	10	+ 1.7	- 3.1	5.		In early morning a little snow [ell; fine but gene- relly cooled, all atternoon; cloudless atter 6b. F.M. Very cool day.	Clear cold morning, with much hoar frost; fine and partially cloudy till 2h. R.; overcast afterwards.	Cloudy in early morning; very fine throughout day, and small amounts of cloud prevailed till afternoou; cloudess afterwards.	Very fir	Overeast.	Overcast.	Cloudy, windy, and showery in early morning; fine and partially cloudy till evening; cloudless at	night.
RATUI	ir.	Mean daily value.	8.66	6.67	81.7	37.2	6.7	48.1	4.5.4	37.4	x	Sun above Horizon, 10 hours.	0.11	11.11	11.1	11.2	11.5	11.3	11.4	Sum 78.3
TEMPERATUR	Of the Air.	Daily Range.	0 15.6	8.03	6.41	6.77	1.4.	14.0	0.61	17.4	1	red Sun								
		Low- est.	22.5	18.7	25.2	25.1	7.48	41.4	1.48	6.83	=	Registered Sun above Sunshine, Horizon, in hours.	5.6	5.5 5.0	9.0	6.2	0.0	6.0	. œ	Sum 26.0
		High-	38.1	39.5	40.4	0.85	4.65	1.00	53.1	16 3	1 10					under {				
BARO-	Mean	cor- rected and re- duced to 32° Fahren- heit).	in. 29.832	188.67	29.883	29.883	29-216	29.040	165.65	29.610	-	ELECTRO ITA. (For explanetion of symbols, see Note.)				it.				
	Phases	of the Moon.	:	In In	Equator.	:	:	:	Apogee.	:	==	(For e				Instrumed adjustment.			-	
		4114	B.	4	10	9	-	30	6		ol		co	4	10	9		· .	6	
	1889.	Month and Day.	MARCH.	Mon.	TUES.	WED.	THURS.	FRI.	SAT.	MEANS	No. of Col.	DATE.	SONDAT	Монрат	TUESDAY	WEDNESDAY	TRUBSDAY.	FRIDAY	SATCEDAY	

### WEEKLY RETURN

#### DEATHS BIRTHS AND IN LONDON

AND IN

## TWENTY-SEVEN OTHER GREAT TOWNS.

## By Authority of the Registrar General.

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WEEK ENDING SATURDAY, MARCH 16.

[Price  $1\frac{1}{2}d$ .

## General Register Office, Somerset House, 18th March, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21.3 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending					Weeks	ending	
Towns.	Feb. 23.	Mar. 2.	Mar.	Mar. 16.	Towns.		Feb. 23.	Mar. 2.	Mar. 9.	Mar. 16.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull -	20·2 27·5 20·5 15·1 10·7 18·7 22·2 27·0 19·3 17·4 16·8	18·9 28·4 21·4 18·9 14·6 17·7 15·3 16·9 23·8 22·5 15·3	17·2 31·0 23·7 22·2 16·3 17·3 18·1 14·3 21·2 15·7 17·6	30·5 20·4 19·3 23·0 17·1 17·5 25·7 24·7 22·6	Manchester Newcastle-on-Tyne Norwich - Nottingham Oldham - Plymouth - Portsmouth Preston - Salford* - Sheffield -	e*	18·8 28·6 23·0 21·5 15·6 28·2 17·3 18·8 29·0 20·9 20·4	24·0 17·6 25·3 26·3 17·7 19·5 23·5 28·0 18·5 33·6 22·0 23·9	19·6 29·6 30·5 23·7 19·1 23·8 17·3 23·6 28·5 24·1 24·6	19·7 27·8 23·3 25·4 19·5 16·9 21·3 20·3 32·5 23·8 24·9
Leeds - Leicester* -			22·5 17·3		Sunderland Wolverhampton		المكاملية	19·1 21·5		

The highest annual death-rates, measured by last week's mortality, were: from measles, 1.8 in Sheffield, 2.5 in Birkenhead, 2.8 in Huddersfield, 2.9 in Manchester, 3.6 in Bolton, and 5.2 in Blackburn; from scarlet fever, 1.3 in Blackburn; and from whooping-cough, 1·3 in Brighton, in Blackburn, and in Plymouth, 1·4 in Cardiff, and 5·5 in Preston. The death-rate from "fever," did not reach 1·0 in any of the twenty-eight towns. The 58 deaths from diphtheria in these towns included 31 in London, 5 in Salford, 3 in Manchester, 3 in Preston. 3 in Birmingham, 2 in Liverpool, and 2 in Bolton. Small-pox caused one death in Portsmouth, but not one in any of the twenty-seven other great towns.

### LONDON.

In LONDON 2699 BIRTHS and 1639 DEATHS were registered. Allowing for increase of population, the births were 220, and the deaths 266, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17.6 and 19.6 in the two preceding weeks, rose last week to 19.7, and exceeded the rate in any week since the third of January. During the first eleven weeks of the current quarter the death-rate averaged 19.7 per 1000, and was 3.7 below the mean rate in the corresponding periods of the ten years 1879-88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

The 1639 deaths included 60 from measles, 16 from scarlet fever, 31 from diphtheria, 37 from whooping-cough, 6 from enteric fever, 14 from diarrhea and dysentery, 2 from choleraic diarrhea, and not one from small-pox, typhus, or ill-defined forms of fever; thus, 166 deaths were referred to these diseases, being

57 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 12; 2 small-pox patients were under treatment at the end of the week in the Metropolitan Asylum Hospitals, and 2 in the Highgate Small pox Hospital. cases of measles, which had been 67 and 76 in the two previous weeks, declined last week to 60, but exceeded the corrected average by 12; 4 belonged to Wesminster, 4 to Bethnal Green, 5 to Newington, 8 to Bermondsey, 4 to Rotherhithe, and 4 to The 16 deaths from scarlet fever corresponded with Plumstead sanitary areas. the number in the previous week, and were 8 below the corrected average; 2 belonged to Poplar, 2 to Bermondsey, and 2 to Lambeth sanitary areas. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 602 scarlet fever patients, against numbers ranging in the seventeen preceding weeks from 980 to 604; 52 cases were admitted to these hospitals during the week, against 41 and 64 in the two previous weeks. The fatal cases of diphtheria, which had been 27, 25, and 20 in the three preceding weeks, rose again last week to 31, and exceeded the corrected average by 15; 3 belonged to Whitechapel, 2 to St. George-in-the-East, 2 to Poplar, and 5 to Lambeth sanitary areas. The 37 deaths from whooping-cough exceeded the numbers returned in recent weeks, but were 53 below the corrected average; 4 belonged to St. George Southwark, and 4 to Newington sanitary areas. The deaths attributed to diarrhea and dysentery, which had been 18 and 15 in the two preceding weeks, were last week 14, and were one below the corrected average. The deaths of two children of a labourer in Lambeth, aged respectively 3 and 1 years, were referred, after inquest, to choleraic diarrhæa.

The deaths referred to enteric fever, which had declined in the four preceding weeks from 13 to 4, rose again last week to 6, but were 8 below the corrected average; 2 belonged to Islington sanitary area. The Metropolitan Asylum Hospitals contained 46 cases of enteric fever, and one of typhus on Saturday last; only one case of enteric fever was admitted during the week, against 3, 7, and 2

in the three preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 362 and 402 in the two preceding weeks, declined again last week to 396, and were

153 below the corrected average.

Different forms of violence caused 64 deaths; 57 were the result of negligence or accident, among which were 13 from fractures and contusions, 9 from burns and scalds, 8 from drowning, 2 from poison (including one of a coach-builder from lead-poisoning), and 17 of infants under one year of age from suffocation. The 13 deaths from fractures and contusions were thus caused:—4 by accidents from vehicles in the street; 1 by accident on railway; 1 by injury from machinery; 1 by injury from lift; 1 by fall in street; 1 by fall down stairs; 1 by fall from window; 1 by fall against fireplace; 1 by fall from bed; and 1 by fall the nature of which was not stated. An inquest was held in each of these 13 cases except the last two. Five cases of suicide were registered, the corrected average being 9.

GREATER LONDON.

In Greater London 3531 births and 2016 deaths were registered, corresponding to annual rates of 32·7 and 18·6 per 1000 of the estimated population. In the Outer Ring 12 deaths from measles and 10 from diphtheria were registered. In West Ham sub-district 2 fatal cases of measles, 2 of scarlet fever, and 2 of "fever" were recorded. Three deaths from measles occurred in Carshalton and 3 in Croydon sub-districts; and 2 deaths from diphtheria were registered in Willesden, in Leyton, and in Tottenham sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30.05 ins.; the lowest reading was 29.52 ins. at the beginning of the week, and the highest 30.42 ins. on Friday evening. The mean temperature of the air was 38.3, and 2.1 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Wednesday and Thursday, but was below the average on each of the other days of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 10.8 miles per hour, which was 2.6 miles below the average in the corresponding weeks of 16 years. Rain fell on Tuesday to the amount of 0.04 of an inch. The duration of registered bright sunshine in the week was 14.8 hours, against 16.4 hours at Glynde Place, Lewes.

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	CITIES	BOROUGHS.		Cols.	- 28 TOWNS.	LONDON.	PORTSMOUTH.	Norwich.	PLYMOUTH.	WOLVERHAMPTON,	BIRMINGHAM.	LRICESTER.	Nottingham.	BIRKENHEAD.	LIVERPOOL.	BOLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURN.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	SHADERLAND.	NEWCASTLE.	CARDIFF.		EDINBURGH.	DUBLIE.		
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AIB.	30.	grade.	Centi	22.	4.56	3.78	79.8	1	29.9	5.83	1	1	4.17	1 1	21.9		,	1	1	1	1	1	4.44	1	1 6	4.55	26.3	07 1		84.9	27.93		
TEMPERATURE OF THE AIR.	Mean	subeit.	Fahre	21.	40.5	88.88	98.2	1	42.5	87.2	1	1	39.2	1 1	41.8	1	ı	1	:	1		•	40.0	1	1	8.68	1 12	0.1%		42.4	45.0		
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FEMPE	.38	ыбдіН	Fahrenheit.	19.	8.69		0.79	1		49.5	1	1	53.6	1	48.7		1		ı	1	1 1	,	53.2	ı		0.89		0.20		-	53.5		
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Annual Rate per 1000,	to the Week's Deaths	IIA m	вЭ	17.	21.3	4.61	8.08	25.4	21.3	23.4	18.4	0.41	19.2	9.06	1.83	30.2	8.4.6	23.8	6.91	83.1	0 20	25.7	20.4	4.47	6.47	9.75	14.0	23.3	7.77	1.61	32.2	200	
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The DEATHS registered in the Week include			E,646	ᆲ	53	0	1 ~	1 1	1 7	- 1	67	-	67	1 7		I =	c	n 4	г	ı	1	1 1	1	4	67	1		1	1	1	-	4	See note on first page of this Return.
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	Deaths of	lo Ta	A I	4.	862	362	20 1	11	9 0	18	3 5	10	23	11	10	20	77	31	S 4	17	21	6	ۍ ا	61	000	53	13	14	13	18	75	98	
seintered during	nding	1888.	DEATES.	80	3893	1639	45	55	2 23	101	100	700	89	933	40	269	70	202	46	11	65	44	40	26	156	30	36	72	37	101	329	181	
Registered during	the Week ending	16th Mar., 1889.	BIRTHS, D	io	6177	2699	64	113	55	143	00 10	104	137	09	94	407	2,	265	68	98	95	48	000	133	242	127	105	115	95	142	381	206	
R		to the middle of the Year		1.	9.555.406	4.351.738	121,807	141,253	78,225	229,361	82,544	404,835	287.812	98,529	102,541	606,562	114,670	378,800	149,405	121,275	104,194	92,825	040,400	255,050	827,227	208,017	184,193	160,988	112,712	266,800	528,144	353,082	
-				Cols.	1 .	٠	•	٠		•	LON			•	٠		4	•		•	•	9			٠	1	•		•	·	•	•	
		AND AND BORUUGHS.		0	OC TOWNS	a MOUND	BRIGHTON .	PORTSMOUTH	NORWICH -	BRISTOL .	WOLVERHAMPTON	BIRMINGHAM	LEICESTER TOTAL	DERBY	BIRKENHEAD	LIVERPOOL .	BOLTON -	MANCHESTER	OLDHAM .	BLACKBURN -	PRESTON .	HUDDERSFIELD	*	LEEDS	SHEFFIELD .	HULL .	SUNDERLAND	NEWCASTLE*	CARDIFF* .	EDINBURGE -	GLABGOW .	DUBLIN .	

Table 2. LONDON.—Births and Deaths Registered in the Eleventh Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females	2638	2757	2709	2574	2771	2761	2675	2750	2501	2629	2918·6	2699
	1327	1410	1350	1344	1468	1384	1330	1356	1251	1352	1480·0	1366
	1311	1347	1359	1230	1303	1377	1345	1394	1250	1277	1438·6	1338
TOTAL Deaths Males Females .	1989	1465	1459	1691	1854	1660	1678	2413	1652	1604	1904·5	1639
	962	768	722	866	974	856	841	1229	829	797	964·4	813
	1027	697	737	825	880	804	837	1184	823	807	940·1	826

<sup>\*</sup>The numbers in this column are the average weekly numbers in the eleventh weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population.

TARLE 3. L()NDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LONDON.—E	IKIII	, DE	arme,	and 1	JIE I E	JKOL(	GI II	tile	Dast	AIII L	LEEN	W EER	
	Dec. 22.	Dec. 29.	Jan. 5.	Jan. 12.	Jan. 19.	Jan. 26.	Feb.	Feb.	Feb. 16.	Feb. 23.	Mar.	Mar. 9.	Mar. 16.
Total Births	2655	1876	2855	2668	2837	2599	2662	2772	2511	2695	2609	2698	2699
Total Deaths	1802	1641	1784	2075	1769	1620	1570	1460	1516	1567	1472	1637	1639
$\begin{array}{c} \text{Ages at} \\ \text{Ages at} \\ \text{Death} \\ \end{array} \begin{cases} \begin{array}{c} 0-20 \text{ years} \\ 20-40 \end{array}, \\ \begin{array}{c} -40-60 \\ 60-80 \end{array}, \\ \begin{array}{c} -40-80 \\ \text{at 80 years \& upwds,} \end{array} \end{cases}$	888 197 286 356 75	779 173 277 335 77	825 204 308 366 81	850 218 383 506 118	776 197 288 428 80	709 162 280 394 75	714 158 270 338 90	650 181 243 313 78	655 182 279 322 78	666 202 278 337 84	681 153 254 314 70	695 175 309 391 67	719 189 298 357 76
" {Under 1 year - 1-5 - 5-20	390 375 123	345 341 93	372 338 115	373 370 107	373 315 88	325 281 103	370 250 94	324 233 93	326 247 82	344 238 84	349 257 75	322 277 96	362 249 108
Deaths from Small-pox  "" Measles "" Scarlet fever "" Diphtheria - "" Whooping-cough "" Typhus "" Enteric fever "" SimpleConta fever "" Diarrhœa and Dysentery "" Cholera "" all the above-mentioned Diseases	184 25 39 25 - 12 - 16 -	147 20 34 28 - 8 - 14 -	143 12 38 32 - 14 1 11 -	176 17 21 37 10 1 12 1	121 19 38 36 -7 - 11 -	-88 20 33 24 -10 1 24 -	71 11 38 38 - 10 1 13 -	56 12 24 33 - 5 - 18 -	16 24 31 - 13 - 10 1	70 14 27 81 1 8 - 16 -	- 67 12 25 31 1 6 - 18 -	-76 16 20 29 -4 3 15 - 163	60 16 31 37 6 2 14 2
, Dis. of Respira- tory System } , Phthisis - Dis. of Circula- tory System	440 153 127	412 152 130	484 154 160	652 187 195	492 136 155	456 152 141	409 138 142	340 140 132	376 158 120	362 156 130	362 127 116	402 161 150	396 162 157
Violent Deaths Inquest Cases Deaths in Public Institutions	81 154 395	52 107 335	61 132 360	58 143 398	63 121 386	50 102 401	55 104 382	49 91 314	44 98 375	65 114 358	57 118 353	52 114 395	64 128 378
TEMPERATURE OF THE AIR Mean Mean of Highest readings - Mean of Lowest readings -	40·4 44·4 36·0	42°5 47°3 36°6	31·8 36·1 27·1	35·3 39·7 30·9	37·8 41·0 34·0	38·5 43·3 33·6	43·1 49·4 36·5	35.6 41.9 30.2	34·3 40·9 27·1	41.4 47.3 36.2	32·8 37·7 29·8	37·4 46·3 28·9	38·8 46·8 31·2
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	94 0·13 6·2	90 0·66 4·6	93 0·00 3·2	98 0·49 2·7	87 0·02 1·5	93 0·15 5·3	88 0·22 13·0	81 0·80 7·4	84 1·19 8·7	81 0·05 14·9	83 0·13 7·6	75 0·54 26·0	80 0·04 14·8
			-	1			-	-				_	

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R. S.:—F. E. Sawyer, Bsq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Smipson: Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-ham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the

					Bu	EVE	NTH	W	eek	of the Year 1889.									
	r the		In	the day,	Wei 16th	ek en Mar	ding ch 18	389.			for the		Satu	n th	e We	ook e Mai	ndin	g 880.	,
	ges for		D		of l	Perso Lges	ns of				ses for			eaths	of P	erso			
CAUSES OF DEATH.	Averages for the eks of the 10 years 1879-88.	ES.	1	Jnde:	r	under 40.	under 60.	under 80.1	and 8.	CAUSES OF DEATH.	Averages of the 1879-88.		l	Jnde 20.		under 40.	er 60.	er 80.	and .
·	Corrected 11th Wee	ALL AGE	0-1.	1-6.	5-20.	and	and	and	u Years		Corrected Averages 11th Weeks of the 10 1879-88,*	ALL AGES	0-1°	1-6.	-20.	and	and under	and under	y Years upwards
	10- 1	1 9	0	1 -	10	28	2	90	1 2 2		10-	4	2	-	-6	ā	9	ŝ	3
ALL GAUSES	1904°5	1639	362	249	108	189	298	357	76	Diseases of Organs of Special Sense †}	2.7	4	2	1	-	1	-	-	-
Small- pox Vaccinated Unvaccinated No Statement	}11·8{	-	-	-	-		-	-	-	Diseases of Circulatory }	133.9	157	-	2	8	82	59	52	6
Measles	47:7	60	11	43	7	-	_	-	-	Croup	16.2	13		11	1			_	
Searlet Fever Typhus	24'4	16	1	10	5	-	-	-	-	Bronchitis	857·1 128°3	262 80	57 17	40 28	3 5	8 2	40 13	99 11	16
Relapsing Fever †	0.0	-	-	-	-	-	-	-	I-	Pleurisy - Other Diseases of Respi-	5.0	8 35		1	-		9	8	-
Induenza	0.5	07	-	-	7	-	-	-	-	ratory System}	46.2	00	7	*	1	1		9	4
Whooping-cough	16·1 89·6	37 31	11	22 21	7	1	1	-		Dentition †	17.8	16	8 2	8	-	-		-	-
Simple Continued and	2.6		-	-					_	Quinsy, Sore Throat j - Enteritis	6.9	3	2	2	-	-		-	-
Ill-defined Fever - 5 Enteric Fever	14.4	6	_	1	2	2	1			Peritonitis Diseases of Liver	7:3 27:8	8 23	3	-	2	2 4	8	5	3
Cholera	0.3	2	-	2	-	-	-		-	Other Diseases of Digestive System -}	32.7	25	5	-	1	2	7	9	1
Diarrhea, Dysentery -	15'4	14	10	2	1	-		-	1	Discourse		-		-	-	-			-
Remittent Fevert Hydrophobia	0'1		- !		-		-	-		Diseases of Lymphatic ) System & of Ductless	1.7	1	1		-	-	-	-	-
Glanders	0.3	-	-	-	-	-	-	-	-	Glands † - ')									
Cowpox and Effects of Vaccination † }	0°2	1	1	-	-	-	-	-	-	Diseases of Urinary	39°4	47	_		7	4	16	16	4
Venereal Affections -	18.3	12	8	1	-	1	1	1	-	System S									
Erysipelas	5°9	3	2	1	-	1	-	-		Diseases of Generative }	013	7	_	1	,	8	2		
Pyæmia and Septicæmia † Puerperal Fever	6.1	2	_			2	1		-	System	6·1	5	-	-	1	2	8	-	-
Other Zymotic Diseases †	1'4		-	_	-	-	-	-	-						-				
Thrush	2.2									Diseases of Locomotive	8°1	8		1	2	-	1	1	-
Worms and other Para-1	0.5												-		-				-
sitical Diseases}										Diseases of Integumen- tary System}	5.7	6	3	-		-	1	2	-
Starvation, Want of Breast-milk †}	0.8	. 4	4	-	-	-	-	-	-										
Alcoholism	5.2	1	-	-	-	1	-	-	-	VIOLENT DEATHS.§									
Rheumatic Fever,	8'8	4			2		2	-		Accident.) Fracture and Contusion	21.3	13		-	8	1	3	6	-
Rheumatism of Heart†	3.5				1	1	2	10		Gunshot Wound Cut, Stab	0.0	9	1		-	-	2	- 3	-
Gout	3.9	6		-	-	1	3	3	2	Burn and Scald	7°3 1°2 4°1	9 2 8	1	2	1	- 4	2	3	E
Rickets †	4.0	6	2	4	-	-	-	-	-	Drowning Sufficention	15.3	28	17	2	3	1	2	-	
Cancer	50·9 24·3	64	15	1	2	10	33	18	~	Otherwise	5.3					-		_	4
Tubercular Meningitis -	32.6	28	9	5   14	2 5	- 1	-	-		(Homicide.)									
Phthisis	183*4	162	2	2	19		51	12	-	Murder & Manslaughter	1.2	1		-	-	-	1	7.	-
Scrofula, Tuberculosis - Other Constitutional } Diseases †	15'4	21	9	4	5	1	1	1	-					-	-				1
Diseases †	10.3	9	-			3	2	4		(SUICIDE.) Gunshot Wound ~ -	1.3		-					_	-
Premature Birth	8510	42	42							Cut, Stab	2.0	1		-		-	-	1	-
Atelectasis +	2.4	2	2	-	- !	-!	-	-	-	Drowning Hanging	1.4	2 1	-	-	-	1	1	-	-
Congenital Malforma-	7.9	6	6	-	-	-	-	-	-	Otherwise	2·0 0·7	î		-	-	1	-	-	-
Old Age	69.9	66	-	-	-	-	-	33	80	(10					-				7
Apoplexy	49.2	39	1		1	1	13	20	3	(EXECUTION.) Hanging	0.0	1	-	-	-	1	_	-	-
Epilepsy	6.9	8	1	-	1	3	-	3	-					_	-	-	-	-	-
Other Diseases of Brain	5213	40	35	5	***	-	-	-	-	OTHER CAUSES †	60.1	52	50		-	-	2	-	-
and Nervous System	104.9	97	11	11	8	8	17	36	6							-			
			_	_			-									-			

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TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SWALL-FOX, MEASLES, SCARLLET during the Week ending

1					-		Mbo	Des	THE	Parint	ered i	in the			lude			
				Dest	hs of	1	1.116	DEA	1100		he fro					1		
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881.	Total Birres	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds	Small-pox,	Memolds.	Scarlet Fever.	Diphtheria.	w hooping-cougu.	Typhus.	Enterio (or Typnoid) Fover.	Simple con-	Diarraga.	Violense.	Inquest Cases.	Deaths in Public tustitutions.	Uncertified Causes of Death.
LONDON ·	8,815,704	2699	1639	362	433	-	60	16	31	37	-	6		14	64	128	378	18
West Districts  North Districts  CENTRAL DISTRICTS  EAST DISTRICTS  SOUTH DISTRICTS  METROPOLITAN ASYLUM F.OS- PITALS OUTSIDE REGISTRATION LONDON	689,633 905,947 282,238 692,738 1,265,148	416 607 136 555 985	272 346 107 345 569	57 73 12 87 133	69 99 29 88 148	-	9 7 1 6 37	6 - 1 9 -	4 8 2 5 12	9 9 1 3 15	-	1 3 - 2		2 5 - 7 -	7 14 2 23 18	18 23 7 41 83	75 75 33 102 93	1 1 14 -
WEST DISTRICTS.   St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.   G.J.	69888 37330 120141 43010 7599	37 6 60 12	31 10 39 19	8 1 11 2	8 1 14 7	11 11 11	1		1 1	1 - 1 - 3	:			ī ī	3 2	2	4 7 18 8 -	1 1 1 1 1
St. Paul Hammersmith H W.M. & C. Fulham Wester - W.M. & C. Chelsea South HHH - C. Chelsea North-west WHHHHH - C. Chelsea North-west WHHHHH - C. May Fair WW - G.J. Belgrave WHHH - C. St. John Westmuster HHH - C.	64340 42900 0396 21925 32897 80353 59220 35496	59 68 21 33 27 7 24 30	31 30 14 25 6 13 19 11	10 9 3 4 1 2 1	5 10 1 4 1 6 5 1	11111111	1 1 3 -	1 111 1111	1 1	1 1 -	1 1 1 1 1 1 1 1	1		11111111	1	1 3 - 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	6 2 16 - 4 9 - 4	1 1 1 1 1
St. Margaret Westminster H. St. St. James Westminster WHI N. R. S. G. St. Anne Soho HHHHHHHH - N. R. R. NORTH DISTRICTS.	24679 29941 16608 26759 14991	14 11 7	9 5	2 1 1 1	2 2 1		1	- 1	111	1 1		-			1	1	1 2	11 11
Restory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone III - W.M. St. John Marylebone H - W.M. Hampstead WwwHIIII N.R. & W.M. Regen's Fark Pancras H - W.M. Tottenham-court wHIIII N.R. & W.M. Gray's Inn Lane HHH N.R. & W.M. N.R. N.R. & W.M. N.R.	24809 21118 88700 33633 45452 89115 27729 30247 84369 17311	11 29 23 13 39 20 28 19 26 17	8 7 15 14 16 14 17 18 17 12	2 2 5 5 4 - 3 5 1	4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1111111111	1 1	1	1	1			11111111	1	1 1 2 1 2	2 1 1 1 1 1	2 12 5 1	
N.R.   N.R.	87487 67946 100976 61895 52043 22781 9277 87610 76911	43 58 62 45 83 13 10 17 65	31 36 35 18 12 7 3 15	8 5 5 5 5 1 5 7	10 13 9 4 4 5 1 5		1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 - 4	1 1 4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Treatment	1		21	1 2 1 1 1 1 1	4 2 8 1 1 1 2 2	5 17 - - - 1 21	
South Hackney E.L.	16681 14864 13837 17508 7515 8559	26 10 6 3 6 4 5	6 4 10 2 7 3 6	1	5 - 1 2 -	1 111 111	111111	1 111 111	1	1 111 111		111111	11,11,11	111111	1 111	1 1	5 - 4	111111
Strand Union in Ordanase, camonion in St. Geographe-Martyr Hightham N.R. St. Andrew Eastern # N.R. Saffron Hill # N.R. Saffron Hill # N.R. St. James Clerkenweil - N.R. Amwell Clerkenweil - N.R. Peatonville - N.R. Geowell-street - N.R. Geowell-street # N.R. City-road Hill - N.R. Whitecrose-street - N.R. Hillsbury N.R. Hillsbury N.R. Hillsbury N.R. Holborn Union Workhouse, Mitcham, w.	18671 10706 6538 17516 19281 14773 17506 11541 18628 9217 7463	13 2 3 19 11 10 12 5 14 2	5 1 -7 5 4 6 8 9 8 1	11121112	2 1 1 2 1 -		1			1					1	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	6 8	CHIEFETTION
St. Botolph   H	7193	6 1 - 1 2 -	2 3 11 4 5 3	111111	1 3 3 1	11111		11111	1.			11111		111111	1	1	11	11111

NOTE.—The Italic letters piaced against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse H-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving immates from other Districts than that in which it stands see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts;—G.J. significs Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Bouthwark and Vauxhall; L. Lambeth, N. E. New River; E.L. East London; and K. the Kent Company.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

turday, the 16th March, 1889.		1	11															
							The	DEA	THS P	egiste	red i	n the	Weel	k incl	ude			
	Enume-			Deat	hs or				1	Death	s fron	n ,						
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Intants under ! Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fever.	Simple con-	Diarrhoa.	Violence.	Inquest Cases.	Leaths in Public institutions.	Uncertified Causes of Death.
tolywell Shoreditch - N.R. & E.L. t. Leonard Shoreditch + HL* - N.R. loxton New Town w N.R. loxton Old Town N.R. laggerston WH N.R. & E.L.	7876 14967 29987 28086 46275	9 13 18 25 42	4 5 24 10 28	2 1 8 4 9	2 10 1 5	11111	11111	11111	1111	1111	11111	1111	11111	11111	1 1 - 1	1 2 1 2	1 10 - 8	11111
lackney-road $H$ E.L. lreen, Rethnal Green $WHL^*$ - E.L. hurch, Bethnal Green E.L. cym, Bethnal Green E.L.	29788 47932 29981 19810	27 42 26 17	31 9 3	3 8 2 1	- 9 3 1	1111	1 1 -	1111	1	-				1111	î.	2 -	111	1111
pitalfields E.L. & N.R. file End New Town W  Vhitechapei Church H Loodman's Fields E.L. ldgate - N.R. & E.L.	22585 15478 17490 9713 6102	16 18 14 5	15 7 84 2	4 2 5 2 -	3 3 6	1111	1 1 1 1 1 1	1111	1		1111	1111		11111	9 -	11 -	31 -	1111
t. George's, North E.L. t. John, St. George East W - E.L.	38747 8410	27 11	10 13	2 2	4 6	-	-			-	-	-2	-		ī	3	8	-
hadwell HH - E.L. N.R. tateliff E.L. inchouse E.L.	10898 16107 32011	10 9 16	6 5 14	3 1 4	- 2	1 1 1			1 -			- 1		1 1 1		- 1	6	-
inehouse E.L. ille End Old Town West - E.L. dile End Old Town East WwwH-E.L.	37960 67653	21 56	15 16	5 8	4 5	- 1	-	1.	-	1	-	1 1	-			- 1	-4	-
30W E.L. Foplar WWH E.L.	87074 64359 55077	37 54 <b>41</b>	21 42 25	6 5 5	13 7		1 1 -	1	1	1 î		1 -		111	2 2 4	4 5 6	1 14 2	
SOUTH DISTRICTS	18668 14999 21881 15968 21318 26672 59555 21623	9 13 23 17 21 19 41	7 4 15 10 14 6 31 6	3 4 5 5 1 9 1	8 - 2 1 2 1 4 8		1 - 5 -	1111111		- 21 - 5 -	1111111	1111111	11111111	17771	1 1 1 1 1 1	1 1 1 1 1 1 1	2     22   3,1	2 2
It, Olave WH S. & L.  St. Mary Magdalen W - S. & L.  St. James Bermondsey - S.  totherhithe WH S. & K.	11956 16800 15669 54682 36024	8 12 18 40 30	19 10 10 14 25	4 4 3 2 4	4 3 8 5	11111	3 2 3 4	1	2	1		11111	11111	11111	1 2 - 3	20 20 21 3	8 - 2 - 8	1,11
Waterloo-road lat	15195 16351 19876 39859 45282 35832 62837 19017	7 19 18 85 40 14 85 7	6 15 35 14 10 18 6	1 1 8 8 2 2 2 2	1 14 4 5 6 -		1 1 1 -	1	1 1 1 1 1	1	11111111	11111111	11111111	1	1 1 - 1	3 2 1 1 1 -	1 2	1 2 1
Tast Battersea	54675 52587 36380 28004 18235 25558	42 60 23 29 9 27	15 27 12 7 6 12	9 8 5 1 3	1 5 8 2 2 5	111111	1 2 - 1	1	1 - 1	1		111711		1	1 - 1	2 8 -1	1 -	11111
Dulwich       -       L. & S.         !amberwell       W - L - S. & L.         !eckham       W - S.       S. , L., & S.         t. George       Camberwell - L. & S.	5590 59104 71089 50810	1 42 41 41	41 19 27	- 4 7 10	21 5 5	1.1.1	1 1 -		1 -	1		1111		ì	7 2 -	1 2	21 1	1
t. Paul Deptford www K. t. Nicholas Deptford K. sreenwich West H K, freenwich East WHH K,	76752 7901 21972 24608	68 8 10 82	32 4 4 20	5 - 1 3	8 1 2 6	11.1	8 -	6 -	1111	1 -	1111	1			1 1 -	1 1	6 - 10	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	£048 21559 19865 26076	7 15 18	4 6 10 9	11	2 1 7 4	1 1 1		1111	1	1.1.1.1				1	=		1 1 8 -	
hariton H -	10930 17617 19048 14009 19241	8 18 16 13 28	6 6 5 4 14	1 3 - 2	8 1 1 1 3	11(1)	- 1 1 1 3		1111	1		1111	1 . 1 . 1	11111	11111	11113		1
Vetropolitan Asylum Hospitals: Dartford w	=							-	=	-	=		=======================================	-				-

be following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the receive Table by w:—

Marylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum. in Tottenasm Court-road sub-district.
Wholborn infirmary in Upper Holloway sub-district.
White Charles a workhouse will be a compared to the sub-district.
White Charles a workhouse will be a compared to the sub-district.
White Charles a workhouse will be a compared to the sub-district.

Mile End Old Town Eastern sub-dist.

Private Lunaite Asylums in which paupers are received.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

					endi	3												
Regis-		Area						1	The Di	EATHS	registe	red in	the V	Veek in	relude		1	
ration		Acres,	Enume-			Deat	hs of				Deaths	from					9	279
District	REGISTRATION	inelu-	rated	HS	PHS	7.	60 rds.					ugb.				ė	Public	Сяця
Sub-	SUB-DISTRICTS.	Tidal Water	Popu- lation,	BIRTHS.	DEATHS	Age	aged 60 k upwds.	ığ.		Scarlet Fever.	ria.	Whooping-cough		ía,		Inquest Cases.	in P	Uncertified of the tr
Num-		and	1881.	B	A	nts 1 ar of	ons sure	0ď-[]	slos.	let F	Diphtheria.	opin	3E.	Diarrhosa	Violence.	lest	Deaths in	orti De
bers.		Fore-				Infants under Year of Age.	Persons Years &	Small-pox.	Measles.	Scar	Uipl	Wbo	Fever.	Dia	Vio	[mg	Dee	Und
									-	_	7.0		0	5	11	16	41	3
LO	NDON-OUTER RING	370,924	950,957	832	377	97	90		12	2	10	-5	3	-				-
30:1	Claushaltan au F	12228	21118	14	11	1	2	_	8		_	1	_	-	2	2	-	-
30:1	Carshalton wL - Epsom (part of)* WwB	9971	10710	8	1	1		-	-	-	-	-	-	-	-	-	-	-
37:1	Godstone (part of) * -	2754	1235	2	2	1	-	-	-	-	1	-	-	-	1	1	-	ŀ
38:1	Croydon WwHHL -	20851	101241	56	84	8	6	-	3			-	-	-	-	-	7	ŀ
2	Mitcham w †	11697	17932	15	5	1	2	-	-	-	-	~	-	-	-	-	-	
89:1	Wimbledon HHH -	3220	15950	17	11	6 2	1 3	-	-	-	-	-	-	-	1	1	8	
3	Kingston WHH Esher (part of) * -	8549 6601	36351 9221	27	17	-	-	-	-	-	-	-	-	-	-	-	-	-
- K	Hampton H	4578	18539	. 9	5	4		-	-	-	-	-	-	-	-		-	
40:1	Richmond WH Mortlake	2272 2941	21802 12831	10 12	10	2	3	-	_	-	_		-	-	1 -	1 -	1 -	1
47:1	Bromley (pt. of) # HH	15689	31142	18	7	1		-	_	-	-	-	-	-	2	2	-	-
; 2	Chishrst(pt.of)* WHII	14307	15844	11	8	4	1	-	-	-	-	-		-	-	-	-	
42;1 2	Bexley H	13437	24134	8	3	1	1	-	-	-		-	_	-	_		-	
124:1	Dartford (Ww, pts. of)* Sunbury w -	11055	11695	1 13				_			_	_	_	_		_	-	
2	Staines W	18277	12089	7	7	2	8	-	-	-	1	-	-	-	-	-	-	-
125:1	Hillingdon WHH -	6029	10802	8	6	2	2	-	-	-	1	-	-	-	-	-	2	-
3	Uxbridge	6178 14587	5225 11523	2 12	7	-	2	_	_	-	-	-	-	1	1	1	8	30
126:1	Isleworth WHH -	7008	22727	11	13	3	6	-	_	-	-	-	-	I-I	-	-	5	-
2 3	Twickenham H Brentford HL	2477 4345	12479 27649	9	5	1	1 8		-	-	-	_	-	_		-	1	_
4	Chiswick	1340	15975	17	5	2	2	-		-	-	-	-	-	-	-	1	-
8	Acton wH	6083	22876	17	8	4	-	-	-	-	-	-	1	3	-	-	-	-
127:1	Harrow H Edgware H	13809 6994	12796 3749	7 3	4	3 -	-	-	_	-	_	-	-	_	-	1 -	-	-
8	Willesden	4388	27453	43	16	7	2	-	-	-	3	-	-	-	1	2	-	-
137:1	Hondon W	9331	10484	12	7		3		-			_	-	_			2	
101 : 1		- 3331	- 0021	2 -	1	-	-	-			-	-	-	-	-	-	-	-
198:1		15599	6391	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Datas	5433 4688	10092	6 16	9	1 8	2 2	-	-	-	-	-	-	-	1	1	3 4	1
185 : 1		3306	583	-	1	-	-	-	-	-	-			-	-	1		
199:1		3039	87078	30	16	4	4	-	2	-	-		-	-	-	-	-	-
2		4642 7483	46456 23463	55 29	28	9 2	6	-	-	-	2	2	-	-	-	1	3	
1	Enfield WH	12653	19104	15	3	1	2	-	-	_	-	-		-	-	-	8 -	-
		11017	7785	2 4	8	-	1	-	-	-	-	-	-	-	-	-	-	
186:		1	38606	34	11	2	3	-	-	-				-		1	-	
	West Ham wwwwH§-		101053	138	53	14	[9	-	2	2	-	1	2	1	1	1	-	1
	Leyton WwL Walthamstow H -	4372 6520	32430 28869	43	12	1	5 2	-	1	-	2	-	-	-	1:	-	3	1 -
187 :			9669	6	5	-		-	1	-	-		-	_	-	-	-	-
1	2 Epping (W, pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ŀ
189:	Romford (part of) * W	6730	3411 7645	1 4	2 3	1	2	-	-	-	-	-	-		-	-	1	-
	3 Barking Town -		9203	12	6	2	2	-	-	-	_	1	-		-	-	-	-

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are a follow:

30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstones sub-district; 39:3. Esher sub-district, except the parish of Esher (pop. 1993); 41:1. Bromney sub-district, except the parishes of Cadham and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 185:1, the parish of Nortans in Hattlell sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5), Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7.-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of MORTALITY during the Week ending Saturday, 16th March, 1889.

	4		Annua	L RATE			The DE	ATES	regi	tered	in t	he W	eek i	nelud	6	
GREATER	Area in Acres,	Estimated		TALITY Diving.	DEATHS	Deat	hs of			T	eath	s from	a			ublie ns.
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
REATER LONDON	448,334	5,642,015	18.6	1.9	2016	459	523	-	72	18	41	42	9	19	75	419
INNER LONDON -	77,410	4,351,738	19.7	2.0	1639	362	433	-	60	16	31	37	6	14	64	378
OUTER RING -	370,924	1,290,277	15*2	1.2	877	97	90	***	12	2	10	5	3	5	11	41

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal, 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.-BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,551,080 Persons.

	D					Awwent	DE	ATHS		PRIN	ES.	ZYMO	
' CITIES.	POPULATION (enumerated or estimated).	DATE OF RETUES Week endir		BIRTHS.	DEATHS. f Stillborn.	ANNUAL DRATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.
ALCUTTA	433,219	November	94	1	_				_		-		-
BOMBAY	773.196		19	300	459	26.5	10	22	P	9	9	147	31†
AADRAS	398,777		1	292	399	52.2	1	10	p	p	p	86	102†
		B											20
ARIS	2,260.945	March	9	1253	1111	25.6	3	34	4	47*	4	6	60 13
RUSSELS - ith 8 Faubourgs.)	462,069	29	9	276	206	22.7	-	3	-		2		
LMSTERDAM .	390,016	' 13 .	9	300	187	24'3	7	6	-	7	tite	·1	
COTTERDAM -	197,723	a9 .	9	151	122	\$2.0	-	2	-		2	-	4
HE HAGUE -	153,440	19	9	121	53	17.9	-					180	- 70
OPENHAGEN .	307,000		2	228	119	20.2	_	-	-	. 6	5	~	10
TOCKHOLM -	221,549	29	2	145	75	17.6	-	-	2	1	-	-	6
HRISTIANIA -	135,600	"	9	79	54	20.7	-	-	2	5	1	-	3
T. PETERSBURG	842,883	93	2		590	36*5	1	~	14	9	4	22	84
BERLIN	1,470,582	February	23	939	603	21.3	-	4	5	24	8	6	35
IAMBURG(State)	550,694	March	2	436	254	24.1	-		1	9*	4	6	21
DRESDEN	264,196	33	2	154	94	18.5	2	-	-	3*	2	1	5
BRESLAU	313,451	23	9	227	171	28.6	-	-	2	11*		2	9
MUNICH	281,000	,,	2	212	151	27.9	-	7	3	4*		2	14
TIENNA	811,434	39	2	532	439	28.1	-	11	6	7		4	29
PRAGUE	300,828	32	2	_	163	28*3	16	1	1	11	- 00		3
BUDA-PESTH .	452,907	29	2	339	303	34.8	-	-	1	10	3	9	16
PRIESTE	158,084	59	2	-	79	26.0	1		1	1	-	-	1
COMB	401,044	January	19	283	248	32.2	3	2	2	5	1	9‡	10
furin (10 days)	306,398		10	269	208	24.8	1	-	-	5	4	2	9
VENICE	153,218		23	87	122	41.6	4	4	-	1	200	-	8
	374,838		21	418	304	42.3	2	_		2*	2	15	73
	231,396	<i>"</i>	21	223	245	55.5	1	14	_	-	1	10	62
		"		220					58	52	15	-4	16
NEW YORK .	1,549,500	. "	23	-	870	29.3	-	12	58 12	19	10	- 3	8
RECOKTAR -	814,505		23	-	341	21.8	_	9	12	7	4	18	_
PHILADELPHIA -	1,040,245		23	-	347	17'4	-	1	11	2	2	2	2
PALTIMORE -	500,343	p	23	-	178	18*6	-	- 1		4			

\* Including deaths from croup.
† Including 7 deaths from cholera in Bombay, and 16 in Madras.
‡ Including 6 deaths from malarial fever.

Table 9.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 16TH MARCH, 1889.
[Under the Superintendence of the Astronomer Royal.]

										1 etec											
-		Ozone.		0.0	0.0	3.0	0.0	9.0	0.0	0.0	6.0	27	ea; no	er, are ussion er, and	kimum he air squeed	graphic	,, and	d, and m	r. The	t, show	2 in. by
Rain	in a Gauge whose	receiving surface is	5 inches above the Ground.	in. 0.00	00.0	\$0.0	00.0	00.0	00.0	0.00	FO.0	26	vel of the sea; no	rmomet m a disc aromete mean r	the marrie of t	photos	"higher	wo feet Deptfor	trometers.	strumen applying	veek to 3
		H (1)	Depar- ture from Average of 16 Years.	Miles.	+ 65	-182	1	οο 1	-110	1 55	Sum -486	25	an level	oulb the uced fro for the k	dings of mperatu numidity by Glai	on of the	dicates	oth of t urket at instructi	ng Elec	hine Ins	of the v
	Robinson's.		Horizontal Movement to of the Air on each Day.	Miles.	391	192	315	311	207	260	Sum 1816	24	e the mes el. and 3h. P.	the wet tions ded ling 1873	of the read ue of te egree of b	discussion di that of	that + in	d at a der Cattle Ma under	registeri	kes Sunsl	oeginning e 13th; ij
ometers.		1	Mean Mol 24 of hourly of obs.	10s. 1	7.0	0.0	0.1	0,1	0.0	0.0	:	23	et abov sea lev	er, and correctants end	mean cally valued do there	from a 1868, an	mind	spende oreign ( farket,	n's self	ell-Stol	at the l
n Anem	Pressure on the	re Foot.	Least. no	lbs. 1	0.0	0.0	0.0	0.0	0.0	0.0	:	23	159 fe luce to on: 3h.	mometrion of entry ye	rected ean darature	erived ending	records	the Fo	homso tive; v	Campb ch day	9.52 in.
sed from	Pressu	Squa	Great. L	1bs. 1	4.4	0.0	1.6	1.2	1.4	1.4	:	21	neter is s to rec	applicathe two	the corther meters temperature and w	that d	ll be bo	Thames ties of lerk of	from T	e on ea	from 29
Wind as deduced from Anemometers.	Osler's.	irection.	P.M.	NNE. & E.	NNE.	WSW. & W.	NNW.8	N. & NNE.	ENE. & SE.	SW. & WNW.	able.	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 91, A.M.: 10001; 31, P.M.: and 3h. P.M. The means of the corrections are usually taken at 91, A.M.: 10001.	oper-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and dry the twenty vears ending 188 for the phermometers. With the corrected mean reading	of the dry built thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of the air column 8; The mean daily dev point temperature and degree of humidity are deduced from the mean daily values of the dry and wet built thermometers by Galabers Hyvne.	metrical Tables. The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1898, and that of horizontal movement.	of the arr from a discussion of the anemometric records for the to years change laye.  In reading the columns 9 and 25 it will be borne in mind that + indicates "highery".  "In man the average."	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jettles of the Foreign Cattle Market at Deption, and their readings are registered by the Clerk of the Market, under instructions from the Conversation of London.	The record of Electricity is derived from Thomson's self-registering Electrometer. The proposed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and	"The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the agreement duration of bright sunshine on each day.  The regults of all the nucleocological observations are to be understood as applying to the	civil day, or from midnicht to midnicht. 7 Are reading of the bareneter increased. by 8tt. z.x. on the 12th: decreased to 22 (98 in, by noon on the 13th: increased to 30 ±2 in. by
		General Direction	A.M.	NE. & Calm	N. & NNE.	N. & WSW.	WSW.&NW.	NNE. & N.	NNE.&ENE.	SW. & WSW.	Variable.	19	f the cistern been applied t	the baromete mean daily v phic records	thermometer thermometer the mean daily value	s. temperature t Greenwich	the air from a discussion of In reading the columns 9 a "Lower," than the average.	The thermometers in the was the surface, at the end of one their readings are registered	of Electricit	s in column 2 duration of b of all the m	vil day, or from midnight The reading of the barome 9h, P.w. on the 12th; dec
2	Of the Water of the Thames	tford.	Low-	39.9	41.7	40.5	39.4	40.1	41.3	41.7	40.4	18	ight on has har	ings of d into	y bulb mimum 8). I	metrical Tables. The average trecords made at	r from	ace, at	ecord	umber regate esults	y, or fr
TEMPERATURE	Of the J	at Del	Ifigh.	.0.54	43.5	43.8	42.5	45.0	42.5	43.1	42.6	17	The he	re-read inverte	the drain of the column	The a	In res	The the surf	The	The number of The r	The r
EMPEI	of	ation.	Lowest on the Grass.	. 56.5	0.77	2.61	20.4	29.7	17.0	1.91	23.5	16	9	ii Baga	S E E	at			night. 8	- 45	0 1
-			High- est in Sun's Rays.	58.0	102.5	68.5	76.4	100.0	95.4	0.88	83.7	15		little rain	cloudless	oudless		eloudy tin rain	at nig		
	Degree of Hu-	(Satu-	ration equals 100).		20	95	81	11	70	84	08	14	KS.	A littl	evening; cl	and sling; cl		artially little th	loudless		
etween,	the Air Temperature and Dew Point Temperature.	1	Least.	0.0	3.6	0.0	1.4	3.7	3.0	1.0	1.9	13	GENERAL REMARKS.	morning.	till even	Fine in early morning; overcast and showery afternoon; slightly foggy in evening; cloudless night.		Overcast in morning; fine and partially cloudy till \$3, P.M.; overcast alterwards. A little thin rain at	evening; cloudless at		
Difference between	Air Temperat and Dew Point Temperature.		Great-	6.5		4.4	10.6	13.0	13.5	10.3	10.2	12	SAL R	in mo	cloudy ti	ning; c		ng; fin fterwar	till eve		
Diffe		-	Mean daily value.	0 6		1.5	9.9	30	9.8	4	5.7	17	ENE	Foggy	Partially cl	ly mor	loudy.	n morni	cloudy	cloudy.	
ı	Of the Dew	Point	Mean daily value.	94.9			39.7	32.7	24.5	84.1	33.1	10		.:		e in ear	Generally cloudy.	reast ir	ially ine.	Generally cloudy.	
Æ.		-	parture from average of 0 years.	0 0	- 2.1	85 85 1	+ 4.4	+ 0.2	80	1.5 -	- 2.1	6		Overcast atterneon.	Fine. night.	Fin afteri	Gen	Over 3h. P.3	Par	Ger	
TEMPERATU	vir.		Mean daily value.	, 27.3	28.7	37.5	45.3	41.5	32.8	38.2	38.8	00	Registered Sun above Sunshine, Horizon, in hours, in hours.	11.4	2.11	9.11	9.11	1.11	11.8	8.11	Sum 81.4
TEMP	Of the Air.		Dally Range.	0 20.61				11.7	14.8	6.4%	15.6	7	ered Su ine, H irs. in		<del>-5</del> 1		4	4	न्त्र	61	Sum 14.8
ı			Low-	0 6				9.98	26.0	25.1	31.5	2	Regist Sunsh in bot	0.0	.r.	0.0	0.4	2.6	7.4	7.5	St
	,	20	High-	0 5				48.8			8.97	10	n. of ote.)				under				
BARO-	Mean	reading	rected and re- duced to 32° Fahren- heit).	in.	798.66	30.085	30.010	30.171	30.40)	30.508	30.045	4	ELECTRICITY. (For explanation of symbols, see Note.)				at				
	Phases	T HOUSE	Moon.		 Treatent	Dec. N.		:		:	:	80	ELE (For e.				Instrumed adjustment.				
			Q E	1 1 2			13	7.4	15	16		-:		10	=	12	13	14	15	16	
	1889.		Монта анд Дау.	MARCH	Mow.	TURB.	WED.	THURS.	FRI.	SAT.	MEANS	No. of Col.	DATE. MARCH.	SONDAY	MONDAY	TUESDAY .	W EDNESDAY	TRUBSDAY.	FRIDAY .	SATURDAY.	

# RETURN

#### BIRTHS AND DEATHS IN LONDON

### TWENTY-SEVEN OTHER GREAT TOWNS.

## By Authority of the Registrar General.

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General Register Office, Somerset House, 25th March, 1889.

### TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20.8 per 1000 of their aggregate population, which is estimated at \*9,555,400 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending			1		Weeks	ending	
Towns.	Mar. 2.	Mar. 9.	Mar. 16.	Mar. 23.	Towns.		Mar. 2.	Mar. 9.	Mar. 16.	Mar. 23.
Birkenhead	20.4	19.3	20.4	18.8	Liverpool -	-	24.0	23.7	23.1	24.2
Birmingham	18.9	17.2	18.4	20.1	London -	_	17.6	19.6	19.7	18.6
Blackburn -	28.4	31.0	33.1	36.1	Manchester	-	25.3	29.6	27.8	31.5
Bolton -	21.4	23.7	30.5	26.4	Newcastle-on-Tyn					
Bradford* -	18.9	22.2	20.4	19.1	Norwich -	-	17.7	23.7	25.4	19.3
Brighton -	14.6	16.3	19.3	15.0	Nottingham		19.5	19.1	19.5	20:4
Bristol -				18.7		-		23.8		
Cardiff* -				23.1	9	-		17.3		
Derby -				17.5	Portsmouth	-	18.5	23.6	20.3	20.7
Halifax -		21.2			Preston -	-	33.6	28.5	32.5	29.5
Huddersfield		15.7			Salford* -		22.0	24.1	23.8	22.3
Hull				18.8	Sheffield -		23.9	24.6	24.9	23.9
Leeds -				26.3	Sunderland	-	19.1	21.4	14.0	28.8
Leicester* -	19.1	17.3	17.0	16.6	Wolverhampton	-	21.5	26.5	23.4	18.3

The highest annual death-rates, measured by last week's mortality, were:from measles, 1.8 in Bristol, 2.5 in Birkenhead, 2.8 in Huddersfield, 3.3 in Manchester, 4.5 in Bolton, and 4.7 in Blackburn; from scarlet fever, 1.1 in Manchester and 1.3 in Blackburn; and from wheeping-cough, 1.4 in Birmingham and in Cardiff, 1.6 in Newcastle-upon-Tyne, 2.0 in Plymouth, 2.2 in Blackburn, and 4.0 in Preston. The death-rate from "fever," did not reach 1.0 in any of the twentyeight towns. The 45 deaths from diphtheria in these towns included 23 in London, 5 in Salford, 3 in Bolton, 2 in Manchester, 2 in Norwich, and 2 in Birmingham. No death from small-pox was registered in any of the twenty-eight great towns.

### LONDON.

In LONDON 2670 BIRTHS and 1555 DEATHS were registered. Allowing for increase of population, the births were 172, and the deaths 371, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17.6, 19.6, and 19.7 in the three preceding weeks, declined again last week to 18.6. During the first twelve weeks of the current quarter the death-rate averaged 19.6 per 1000, and was 3.8 below the mean rate in the corresponding periods of the ten years 1879-88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated,

<sup>4 57026.—12. 610.—3/89.</sup> Wt. 14,

The 1555 deaths included 84 from measles, 6 from scarlet fever, 23 from diphtheria, 42 from whooping-cough, 4 from enteric fever, 18 from diarrhoea and dysentery, and not one from small-pox, typhus, ill-defined forms of fever, or cholera; thus, 177 deaths were referred to these diseases, being 49 below the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 12; 2 small-pox patients were under treatment at the end of the week in the Metropolitan Asylum Hospitals, and one in the Highgate Small-pox Hospital. The fatal cases of measles, which had been 76 and 60 in the two preceding weeks, rose again last week to 84, exceeding the number in any week since the end of January, and being 38 above the corrected average; 5 belonged to Islington, 5 to Hackney, 7 to Newington, 4 to St. Olave, 6 to Bermondsey, 6 to Lambeth, 7 to Camberwell, 6 to Greenwich, and 9 to Plumstead sanitary areas. The deaths from scarlet fever, which had been 16 in each of the two previous weeks, declined last week to 6; they were 20 below the corrected average, and fewer than in any previous week of this year. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 569 scarlet fever patients, against numbers ranging in the eighteen preceding weeks from 980 to 602; 58 cases were admitted to these hospitals during the week, against 64 and 52 in the two previous weeks. The fatal cases of diphtheria, which had been 20 and 31 in the two preceding weeks, declined again last week to 23, but exceeded the corrected average by 9; 4 belonged to Hackney, 5 to Lambeth, and 2 to Camberwell sanitary areas. The 42 deaths from whooping-cough showed a further increase upon recent weekly numbers, but were 53 below the corrected average; 4 belonged to Marylebone, 5 to Islington, 3 to Bermondsey, 7 to Camberwell, and 3 to Plumstead sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 18, 15, and 14 in the three preceding weeks, rose again last week to 18, and exceeded the corrected average by 3; 12 were of children aged under five years.

The deaths referred to enteric fever, which had been 4 and 6 in the two preceding weeks, declined again last week to 4, and were 11 below the corrected average. The death of an army officer was referred to malarial fever. The Metropolitan Asylum Hospitals contained 43 cases of enteric fever, and 2 of typhus on Saturday last; 3 cases of enteric fever were admitted during the week,

against 7, 2, and 1 in the three preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 402 and 396 in the two preceding weeks, further declined last week to 378, and were

161 below the corrected average.

Different forms of violence caused 54 deaths; 44 were the result of negligence or accident, among which were 19 from fractures and contusions, 3 from burns and scalds, 4 from drowning, 1 from poison, and 14 of infants under one year of age from suffocation. The 19 deaths from fractures and contusions were thus caused:

—5 by accidents from vehicles in the street; 1 by fall from horse; 4 by accidents on railway; 2 by fall of heap of artificial manure; 2 by fall down stairs; 1 by fall down area; 1 by fall from bed; 2 by fall in street; and 1 by fall the nature of which was not stated. An inquest was held in each of these 19 cases. Nine cases of suicide were registered, the corrected average being 7.

### GREATER LONDON.

In Greater London 3437 births and 1952 deaths were registered, corresponding to annual rates of 31.8 and 18.1 per 1000 of the estimated population. In the Outer Ring 23 deaths from measles, 6 from whooping-cough, and 5 from diphtheria were registered. Of the fatal cases of measles, 9 occurred in Chigwell, and 8 in West Ham sub-districts; and the deaths from whooping-cough included 2 in Acton and 2 in West Ham sub-districts.

### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.58 ins.; the lowest reading was 28.82 ins. on Wednesday afternoon, and the highest 30.13 ins. on Saturday morning. The mean temperature of the air was 42°.5, and 1°.0 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Thursday and Friday, but showed an excess on each of the other days of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 13.4 miles per hour, which was 0.5 of a mile above the average in the corresponding weeks of 16 years. Rain fell on three days of the week, to the aggregate amount of 0.46 of an inch. The duration of registered bright sunshine in the week was 18.4 hours, against 17.3 hours at Glynde Place, Lewes.

		CITIES	AND BOROUGHS,	Cols.	- 28 Тоwив.	LONDON.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPTOW.	BIRMINGHAM.	LRICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	KOLTON.	MANCHESTER.	SALFORD.	BLACKRIRE.	PRESTON.	HUDDERSPIRED.	HALIPAX.	BRADFORD.	CHEEDS.	HULL.	SUNDEBLAND.	NEWCASTLE.	CARDIFF.	EDINBURGH.	GLABGOW. DUBLIM.
	TALL.		In Centi- metres.	24.	1.90	1.17	1.54	1 1	1.17	1.03	1.17	ı	ı	5.30	ı	1 1	qL.T	1		1 1	1 1	1	1	1	2.31	1	-		4.01	-	_	1.47
	RAINFALL		In Inobes.	23.	0.75	0.46	0.49	1 1	0.46	0.40	0.46	1	1	1.14	1	3 0	0.69	1	t	1 1	1 1	1	ı	1	16.0	1	0.85	1.33	1.58	1	0.72	0.28
	AIR.	.D.	Centigrade.	22.	4.94	5.83	4.89	1 1	5.33	2.20	4.55	1	ı	4.04	ı	1 9	62.0	ı	ŧ	l I	1 1	1	1	1	4.67	1 .	4.89	4.83	3.80	1	4.78	90.9
	OF THE	Mean.	-tiednerda T	21.	40.9	42.5	8.05	1 1	9.17	6.14	9.68	1	_	6.07	1		2.15	1	1	1	1 1	1	1	1	40.4	ı	40.8		0.68	1		42.3
	ATURE	.1	heit Lowes	20.	25.3	31.2	30.8	1 1	20.0	28.2	25.3	1	1	80.8	1	1 8	20.00	ı	1	8	1 1	1	1	1	8.63	1	0.66	30.0	32.0	1	30.5	
0	LEMPERATURE OF THE AIR.	.18	Fahrenheit Lowes	19.	58.3		21.0	1 1	51.0		20.8	1		58.8	1		9.86	ı	ı	1	1 1	- 1	1	1	20.02	ı	6 0.99		8 0.44	1	-	54.2 3
	-	eaths	From I) seeses in Cols. 6-12.	18.	9.8			1.1			es. H	6.7	-		1.7	0 0		# #	9.9	7 0	9.00	6.5	3.0	9.0		20 00		-	5.6	8.7	-	1.5
Annual Kate	per 1006,	Week's Deaths	From All Causes.	17.	8.02	18.6	0.91	7.02	23.3	18.4	18.8	20.1	9.91	20.4	17.5	18.8	24.2	F. 97			9.77			1.91	1.61	26.3	8.87	0 00 00	19.4	23.1	17.4	30.1
-		dia:	offitteenU o(I to seaua)	16.	93	22	NO.	1 1	1	00			67	PROCESS.	63	and the same of		2/3	F .	4 0	days.a	1	-	2	-		7 0	-	-	FI	-	38 2
6		°g	Deaths in Public Tablic Institution	15.	630	365	9	20 00	60	10	ı	24	70	9	41	41 0	33	2	65	91		7	, co	4	6	00	12	4	00	₹	17	32
, CH 1/2)			Inquest Usas	14.	238	112	c3 (	00 00	1	63	Н	15	00	9	00	eo 1	11	20	17	20 1	- 0	4 -	-	1	23	12	90 =	4 00	4	63	a	e. 4
	einde	-	Vlolence.	13.	112	54			1	63	1	10	00	63	H	-	0	32	4	20	1 -	- 1	1	1	e0	20	47 F	4 00	67	1	60	72
	The DEATHS registered in the Week include		.aeoftraid	12.	23	18	-	1 1	1	-	1	67	1	Н	1	1	1	-	1			1 -	1	1	ಣ	00	C2 1		1 1	-	67	H 63
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007	ered in	Deaths from	Whooping-	10.	116	42	1 1	H 1	ಾ	-	-	12	1	60	1	1	10	pel .	10	1	co 1	D 00	) H	ı	4	ಣ	03 0	3 -	1 10	· co	00	24
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ES, D		Deaths of	Persons aged 60 Years and upwards.	2.	973	449	15	17	1 22	26	00	202	13	24	13	7	09	12	43	18	12	1 5	F 00	13	14	48	80 9	27 06	1 6	1	27	84 44
SIRT		Dea	tobaru starini lo resy i ser og A	4.	863	318	100	00 0	7 5	20	00	40	14	30	7	6	9	14	40	23	11	23	2 0	00	29	40	42	14	1 00	120	22	30 82
TABLE 1E	d during	ending	DEATHS.	80	3818	1555	35	56	9 89	82	29	175	48	93	33	37	281	28	229	100	63	# C	50.00	25	98	180	150	10	09	20	68	305
TABL	Registered during	the Week ending	BIRTES.	23	5926	2670	09	202	44	143	65	249	101	142	52	52	327	7.1	256	125	SI	0 0	888	4.4	147	243	209	101	125	80	141	396 224
		POPULATION		1.	9,555,406	4.851.738	121,807	141,253	94,510	229,361	82,544	454,835	150,520	237,812	68,529	102,511	606,562	114,670	878,800	284,283	142,405	121,275	92,825	81,080	285,056	357,449	327,227	184 103	160,988	112,712	266,900	528,144
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		000	AND AND BORUUGHS.		28 TOWNS	in the second	BRIGHTON .	PORTSMOUTH	NORWICH .	PLYMOUTH .	WOLVEBHAMPTON	RIPMINGHAM	LEICESTER *	NOTTINGHAM	I)RRBY .	BIRKENHEAD	LIVERPOOL .	ROLTON -	MANCHESTER	SALFORD*		BLACKBURN -	BRIE	HALIPAX -	BRADFORD* -	LEEDS -	SHEFFIELD	STINDERLAND	NEWCASTLE*	CARDIRE*	EDINBURGH -	GLASGOW DUBLIN -

## Births, Deaths, Meteorology.

Table 2. LONDON .- Births and Deaths Registered in the Twelfth Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
TOTAL Births  Males  Females .	2684 1366 1318	2584 1342 1242	2610 1813 132 <b>7</b>	2559 1284 1275	2466 1250 1216	2665 1342 1323	2537 1271 1266	2731 1384 1347	2671 1397 1274	2522 1284 1238	2841·6 1443·0 1398·6	2670 1404 1266
TOTAL Deaths Males Females .	2085 1038 1052	1505 766 739	1516 818 698	1827 884 943	1887 941 946	1538 799 789	1734 869 865	2141 1067 1074	1720 860 860	1655 835 820	1925·5 967·4 958·1	1555 762 793

<sup>\*</sup>The numbers in this column are the average weekly numbers in the twelfth weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population.

TABLE 3. L()NDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	Dec. 29.	Jan. 5.	Jan. 12.	Jan. 19.	Jan. 26.	Feb.	Feb.	Feb. 16.	Feb. 23.	Mar. 2.	Mar. 9.	Mar. 16.	Mar. 23.
TOTAL Births	1876	2855	2668	2837	2599	2662	2772	2511	2695	2609	2698	2699	2670
TOTAL Deaths	1641	1784	2075	1769	1620	1570	1460	1516	1567	1472	1637	1638	1555
Ages at Death 0-20 years - 20-40 , - 40-60 , - 60-80 , - at 80 years & upwds.	779 173 277 835 77	825 204 308 366 81	850 218 383 506 118	776 197 288 428 80	709 162 280 394 75	714 158 270 338 90	650 181 243 313 73	655 182 279 322 78	666 202 278 337 84	681 153 254 314 70	695 175 309 391 67	719 188 298 357 76	668 164 274 366 83
Yunder 1 year - 1-5 - 5-20	345 341 93	372 338 115	373 370 107	373 315 88	325 281 103	370 250 94	324 233 93	326 247 82	344 238 84	349 257 75	322 277 96	362 249 -108	318 276 74
Deaths fi om Small-pox  """, Measles	147 20 34 28 - 8 - 14 - 251 412	143 12 33 32 - 14 1 11 - 246 484 154	176 177 21 37 -10 1 12 1 275 652 187	121 19 38 36 -7 -11 - 232 492 136	83 20 33 24 - 10 1 24 - 195 456 152	71 11 38 38 10 1 13 - 182 409 138	56 12 24 33 - 5 - 18 - 148 340 140	13 16 24 31 13 10 1 138 376 158	70 14 27 31 1 8 - 16 - 167 362	67 12 25 31 1 6 - 18 - 160	76 16 20 29 - 4 3 15 - 163	60 16 31 37 -6 -14 2 166 396	-84 6 23 42 -4  18  177
", Dis. of Circula- tory System	130	160	195	155	141	142	132	120	130	127 116	161	162	139 126
Violent Deaths Inquest Cases Deaths in Public Institutions	52 107 335	61 132 360	58 143 398	63 121 386	50 102 401	55 104 382	49 91 314	44 98 375	65 114 353	57 118 353	52 114 395	63 127 378	54 112 365
TEMPERATURE OF THE AIR Mean Mean of Highest readings - Mean of Lowest readings -	42·5 47·3 36·6	31·8 36·1 27·1	35·3 39·7 30·9	37·8 41·0 34·0	38·5 43·3 33·6	43·1 49·4 36·5	35.6 41.9 30.2	34·3 40·9 27·1	41·4 47·3 36·2	32·8 37·7 29·8	37·4 46·3 28·9	38.8 46.8 31.2	42·5 50·3 35·7
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	90 0.66 4.6	93 0·00 3·2	93 0·49 2·7	87 0·62 1·5	93 0·15 5·3	88; 0·22 13·0	81 0·80 7·4	84 1·19 8·7	81 0·05 14·9	83 0·13	75 0·54 26·0	80 0·04 14·8	80 0·46 18·4

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bistol; E. Simpson, Esq., Wrottesley, Wolverham; J. Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON. - DEATHS Registered at several groups of Ages from different Causes in the TWELFTH Week of the Year 1889.

			-	-	CALL SHAPE	TO COMPANY OF THE	-	-	014	of the Tear 1889.									
	s for the	3	aturd	lay,	23rd	Marc erson	h 188	39.	_		Averages for the cks of the 10 years 1879-88.*		atur		23rd	Mar	ch 18	83.	
	soted Averages Weeks of the 10 1879-88.				ie A						ges 10 10		Бе	aths	01 P		is of		
TT FILT OF ORDER	vera nf t			niter		40.	.09	80.	alid	CAUSES OF DEATH.	ot th		U	nder	.	40.	60.	340°	7
AUSES OF DEATH.	d A seks 187	E8.		20.		under	under 60	under	18.	,	eks 187	30 30		20.		under	under	er.	and
	Corrected 12th Wee	AGES.				id ui	id un	n p	upwards.		Corrected 12th Week	AGES.						nu l	unwards
	orre	ALL	0-1.	1-6.	6-20.	20 and	40 and	go and	dn		orre 12th	ALL	0-1.	1-6.	6-20.	and	and	and	Man
	0	4 ]	3 1	۲	10	24	4	9 1	20		57	4	0	- 1	0	8	40	3	90
ALL CAUSES	1925*5	1555	318	276	74	164	274	366	83	Diseases of Organs of )	1				1		1		
				-		-				Special Sense † }	2.1	2	2			-	-	-	-
Small- Vaccinated; -	}11.9		-	- 1	_		-		_	Diseases of Circulatory \									
No Statement	1.		-	-	-	-	-	-	-	System}	131.0	126	1	6	4	14	45	52	4
Measles	43.3	81	21	53	5	-	-	-	-	Croup	12.8	6		K	7				
Scarlet Fever	26.1	6	1	2	3	- /	-	-		Bronchitis	840.8	223 110	44 23	44 87	2 2	8	32 19	84 20	12
Typhus Relapsing Fever †	0.0		-				-		-	Pleurisy Other Diseases of Respi-)	7.0	6	- 1	1	-	1	2	2	8 -
Induenza	0.2		-	-	-	- '	-	-	-	ratory System}	48.7	33	1	4	-	2	9	16	1
Whooping-cough	94.5	43	15	24	3	-	-	-	-	Dentition †	21.8	8		3		_	-	-	
Diphtheria	14.2	23		15	8	-	-	-	-	Quinsy, Sore Throat † -	2 9 7 7	2 4	5		-	1	1	- 9	E
Simple Continued and } Ill-defined Fever -}	1.6			-	-	-	-	-		Peritonitis	5.2	10	1	1	2	1	4	1	Ę
Enterio Fever	0.5	4	1	-	-	1	2	-	-	Other Diseases of	33.1	39 29	3 4	4	3	9	8 7	18	1
Cholera Diarrhœa, Dysentery -	14.6	19	8	4	-	-	1	3	2	Digestive System - 5						_			
Remittent Fevert	0.2		-	-	-	-	-	-	-	Diseases of Lymphatic)	7.0								
Hydrophobia	0.0		-	/-	-	-	-	~	-	System & of Ductless }	1.2	-				-		-	
Glanders   Cowpox and Effects of	0.2	-		-	-	-	-	-						-	-				
Vaccination † 5		-			-	- !	-		-	Diseases of Urinary System }	42.7	41		1	-	10	12	17	4
Venereal Affections - Erysipelas	5.9	8	2	2	-	-	1	1				-	-		-		_		_
Pyzmia and Septiczemia †	2.6	4	1	1	1		1	-	-	Diseases of Generative	6.2	3	-	-	1	-	1	1	_
Puerperal Fever	3.7	2	-	9.	-	2	-	-		Accidents of Childbirth -	5.1	2	-	-	-	2	-	-	-
Other Zymotic Diseases †	2.3	1			-	1		-	-	Diseases of Locomotive									
Thrush	1.2	2	1	1		_	_	-		System +}	7*3	9	-	100	4	1	8	1	-
Worms and other Para-	0.5	1	-	-	-	1	_	_		Digaggag of Integumen									
sitical Diseases 5		-	-	_						Diseases of Integumen- tary System}	7.1	5	3	-	-	1	1	-	-
Starvation, Want of	2.3	1	1	-	_		_												
Breast-milk †	5.0	8	-	-	_	2	6	-		VIOLENT DEATHS.\$									
	-		-	-		-				ACCIDENT.)									
Rheumatic Fever. \ Rheumatism of Heartt	6.2	8	-	-	3	3	1	1	-	Fracture and Contusion Gunshot Wound	20.2	19	-	1	4	1	6	6	1 -
Rheumatism †	3.5	3	-	-	-	1	_	2	-	Cut, Stab Burn and Scald	7.6	3	-	-	1	-	ī	ī	=
Gout	2.9	4	-	-	-	-	1	3	-	Poison Drowning	5.0	1 4	-	-	1	1	2	-	-
Rickets †	6°4 53°8	55	8	1	-	-	- 00	25	2	Suffocation Otherwise	15.5	16	14	-	1	-	2	-	-
Tabes Mesenterica -	23.3	14	8	6	-	4	23	25	-			-	-	-		-	-	-	-
Tubercular Meningitis -	32.9	24	6	14	2	2	-		I-	(Homicide.)									
Phthisis	193'8	139	-	4	10	67	48	10	-	Murder & Manslaughter	1.3	1	1	-	-	-	-	-	0
Scrofula, Tuberculosis - Other Constitutional ?	18.2	16	3	8	1	3	1	-											
Diseases †}		17	-	-	2	2	8	7	-	(SUICIDE.) Gunshot Wound	0.3	2	-	-	-	-	2	-	-
Premature Birth	38.7	8)	30	-				-		Cut, Stab		2	-	-	-	1	1	-	-
Atelectacis +	3.2	1	1	-	-	-	-	_	-	Drowning	1.0	1	-		-	11111	-	7	-
Congenital Malforma-	9.3	7	5	-	2	-	-	-	-	Otherwise	0.8	3	-	-	-	1	1	ī	-
Old Age	68*4	66	-	-	-	-	-	26	40			1				-			
Annal		-	-	-	1	-	-	-	-	(Execution.)									
Apoplexy	6.2	39	2	-	1	3	7	26	-	Hanging	0.5	-	-	-	-	-	~	-	-
Convulsions -	57.8	43	33	10	-	1	2	1	-				1						
Other Diseases of Brain and Nervous System	101.0	93	13		7	.10	11	31	9	OTHER CAUSES +	62.1	59	52	5	-	-	1	1	-
	_		1	1	ì	1		ŧ		1		1							
The numbers in this	column s	re the	OVAL	1000	wook	10 1)	wath.	for	the t	on years 1879-88, raised by 9	046 ner c	ent. for	rinei	case	of B	pula	tion		

A 57026.—12.

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9'048 per cent, for increase of population.

As the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

Those casses of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical attendant does not certify that the descased has, or has not, been vaccinated, or when the cause of death is not certified by a registered ractitioner, the case is returned under the heading "no statement."

The orilenes at injuries is other usua ticent to enable, the Coroner to certify whether a violent leath be the result of accident, murder, analyzing the controlled. All such cases are classed under "accident or negligence."

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarle during the Week endin

													dur	ing	the	w ee	кеп	air
							The	DEA	THE	regist	ered	in the	we we	ek in	elude			
	Enume-			Deat	hs of					Deat	he fr	om						1
RECHISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881.	Total BIRTHS	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	w hooping-cough.	Typhus.	Enterio (or Lypnoid) Fover.	Simple con-	Diarrhua.	Violence.	Inquest Cases.	Deaths in Publi	Uncertained Causes
LCNDON	3,815,701	2670	1555	318	449	-	84	6	23	42	-	4	-	18	54	112	365	2
Wast Districts	66 1,633 905,947 282,238 692,738 1,265,148	396 563 180 526 1005	252 334 118 299 557	48 63 16 58 133	75 113 22 88 151	-	5 13 3 8 55	3 - 3	3 8 1 2 9	8 11 2 4 20 -		1 - 1		3 3 1 4 7 -	5 16 3 15 15	12 23 7 30 87	67 81 83 90 91	1 1 19
St. Mary Paddington WHH G.J. a W.M. St. John Paddington H - G.J.	69898 37330	41 7	29 15	1 4	14	-	-	-	-	ī	•	=	-	1 -	-	=	10 7	-
Kensington Town Ww - W.M. & C.	120141 48010	61	39 5	1	13 2	-	-	-	-	-	-	-	-	1	1	1	15 2	-
St. Peter Hammersmith - W.M. 8 G.J. St. Paul Hammersmith H W.M. 8 G.J. W.M. & C.	7599 64340 42900	60	30 W2	10 11	7 6	-	2	-	-	2 -	-	-	-	1	1 -	1	2 3	-
Chelsea South HHH - C. C. Chelsea North-west WHHHHH C.	0396 24925 32807	19 20 27	8 14 11	1 5	1 3	-	1 -	-	- 1	-	-	-	=	-	1	1 1 1	5	7-8 0
May Fair WW G.J.	30353 59220	9 23	14	2 8	7 4	-	-	-	ī	1	-	-	-	-	ĭ	ī	7	1
St. John Westminster HHH - C. St. Margaret Westminster H - C.	35496 24679	21 8	8 8	- 4	5	-	- 1	-	ī	-	-	-	-	-	1 -	1	6	4
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	29941 15608	10	17	2	6	-	-	-	-	-	-	-	-	-	-	1 -	1	-
NORTH DISTRICTS.  All Souls Marylebone HIIIH - W.M. Carendish Square HHHHI - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb, HHH G.J. & W.M. St. John Marylebone H - W.M. Bl. John Marylebone H - W.M. Rampstead WowHHHH N.R. & W.M. Regent's Park Pancras H - W.M.	25759 14891 24809 21118 33700 33633 45452	12 4 11 25 16 19 29	20 4 3 10 11 9 12 8	2 - 3 2 2 4 2	3 1 1 3 4 1 4 8		1 1	111111	1 - 1	1 - 2 1		1		111111111	3 1 1 1 1	3 1 - 1 - 1	1	
	27729 30247 84369 17311 87487 67946	12 24 21 11 55	12 9 9 17 36 50	3 1 1 2 5	4 4 10 13	1 1 1 1	1 2			1		1		1	1 2 1	4 1 3 3	6 2 8 14 6	, , , , ,
Islington South-west $HH$ - N.R. Islington South-east - N.R. Highbury $H$ - N.R.	100976 61835 52048	57 30 33	25 19 12	4 3	8 .4		1 1	ī	1 -	3 1 1 -	-		-	1	1 2 -	3	26	
Stoke Newington H N.R. Stamford Hill E. L. West Hackney H N.R. Hackney Wouvert - E. L. & N.R South Hackney E. L. CENTRAL DISTRICTS.	22781 9277 37610 76911 39383	13 7 24 52 30	10 4 13 29 12	9 3 3	3 3 2 11 5	11111	1 4	2 -	2 2	-			11111	11111	1 -	1 -	13	
St. George Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North N.R.	16681 14864	9 18	3 7	1	2 2	-	-	-	-	-	-	-	-	-	-	1	- 2	
St. Giles North N.R.  St. Martin-in-the-Fields HH N.R. & C.  St. Mary-le-Strand H N.R.  St. Glement Danes H N.R.  Strand Union Workhouse, Edmonton w.	13837 17508 7515 8559	8 5 1 4	1 12 2 5 6	3 - 2	1 - 1				-	1			1111		1	2 1	1 - 2	
St. Usos-the-Martyr HHHHHHH N.R.  St. Anniew Eastern W N.R. Safron Hill H N.R.  St. James Clerkenwell N.R.  Amwell Clerkenwell N.R.  Fentonville N.R.  Goswell-street N.R.  City-road HHL N.R.  Wintecross-street N.R.  Finsbury N.R.  Holborn Union Workhouse, Mitcham. vo.	10706 6583 17516 19231 14773 17593 11541 18628 9217 7453	12 9 2 12 18 21 14 6 26 8 5	13 3 2 7 8 1 7 4 4 2 2	311111111111111111111111111111111111111	1 2 3 1 1		1 2		1	1				1	1	28	6 6	
8t. Botolph H - N.K.&E.,  Uripplegate - N.R.  St. Sepulcire H - N.R.  St. Bride W - N.R.  Althallows Barking - N.R.  Broad Street H - N.R.	7193 5358 8396 13666	7 2 2 5 - 1	1 14 8 3 2	1 1	1 1 1 -	11111		11111	11111		11111	11111	111111	111113	1	1	13	

NOTE.—The Italia latters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Worklouic H-Hospital; L-Lunatic Asylum; w-A Workhouic Establishment receiving inmates from other Districts than that in which it state see note at the foot of next page. The Forman capitals signify the Water Companies which supply the different sub-districts I-G.J. signify and K. the Kent Company; W.M. Wes Middlesex; C. Chelsen; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East London and K. the Kent Company.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEL, VIOLENUE, &c., registered in each Sub-district

urday, the 23rd March, 1889.	1	Į į					_											
							The	DEAT	THS TO				Week	inel	ude			
	Enume-			Deat					I	eaths	from	.11					10	1968
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Intants under   Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or Typhoid) Fever	Simple con-	Diarrhoas.	Violence.	Inquest Cases.	Deaths in Publ	Uncertified Cause of Death.
PAST DISTRICTS.  blywell Shoreditch - N.R. & E.L. Leonard Shoreditch HL*, - N.R. xton New Town w N.R. xton Old Town N.R. xggerston WH N.R. & E.L.	7376 14967 29937 28036 46275	5 9 25 15 35	1 6 15 8 24	1 2 8	1 10 2 8	11111	1111	11111		11111	11111	11111	11111	1110	2	2 2	38 - 9	11111
sekney-road H E.L. veen, Bethnal Green WHL* - E.L. urch, Bethnal Green E.L. wn, Bethnal Green E.L.	29738 47932 29981 19310	23 34 24 16	7 25 9 4	3 - 2	93-	1111	1 2 1	-	-	ī		1111	1111	1111	1 -	1 1 1 -	10	-
italfields - E.L. & N.R. ile End New Town W hitechanel Church H odman's Fields - E.L. & N.R. idgate - E.L. N.R. & E.L.	22585 15478 17490 9713 6102	21 13 13 7	9 8 24 - 1	2 1 -	1 4 -	1111	1 2 -		1 -	1 -	11111	11111	1111	11111	1 2 - 1	1 2 1	17	11111
George's North - E.L. John, St. George East W - E.L.	38747 8410	30 12	7 10	3	3 5		-	-	-	-	-	-	-	-	ī	1 2	6	-
adwell HH - E.L. & N.R. atcliff E.L. mehouse E.L.	10395 16107 32041	10 9 26	9 4 6	1 1 1	1 - 2	-	1 1 1		1 1 0			9 - 1		111	1 1 -	1 2 1	4	-
ile End Old Town West E.L. ile End Old Town East WwwH- E.L.	87960 67653	30 53	12 42	8	16 16	П	2	-	-	ī		-	-	1	-	3	12	1 -
romley www.H E.L. oplar WWH E.L.	37074 64359 55077	31 52 33	14 82 22	7 7	11 4	-	- 1		-	1 -		9 1 6	-	1 1 1	1 1 1	1 4 2	1 12 2	-
SOUTH DISTRICTS.   L. & S.	13668 14999 21381 15953 21318 26672 59555 21623	13 9 20 7 16 15 49 14	2 4 4 8 5 14 25 12	1 1 4 1 5 4 3	1 - 2 1 1 2 4 4	111111111	1 1 - 5 2	1 - 1	1	1 - 1	1111111		-	1111111	1111	1 1 2 2	1 - 1 - 1 1	1
cather Market S. & Le L. Mary Magdalen W S. L James Bermondsey - S. otherhithe WH S. & K.	11956 16300 15669 54683 36024	10 9 12 53 30	20 7 10 26 15	2 1 2 7 4	2 1 3 5 5	11111	4 3 2 1 3	11111	1 -	3	11111		11111	1	3 1	2 - 3	12 - 2	11111
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	15195 16351 19876 39859 45232 35332 62887 19017	5 20 12 39 37 15 36 12	6 2 14 22 19 14 21 5	2 2 2 6 6 3 4 2	99482	1111111	2 2 - 1 1	1111111	1 1 1		1111111	1111111	1111111	1	2	3 2 1 1	9 11	1 2 - 1 2
ast Battersea	54675 52587 36380 28004 18235 25558	53 53 22 37 6 21	19 32 14 11 1 16	10 2 1 - 2	6 10 6 4 -5	111111	1 - 1	111111	111111	1			11111	2	1	1	8 1 -	1 1
ulwich L. & S. amberwell S. & L. eckham W S., i., & K. George Camberwell - L. & S.	71089	2 46 47 42	42 22 13	9 6 6	13 7		2 1 4		1 1 -	7 -		1111	1111	1		1 1 -	17 2 -	1 1 1
Paul Deptford ww K. K. Nicholas Deptford K. reenwich West H K. reenwich East WHH K.	76752 7901 21972 24603	59 19 30	41 1 8 21	14 - 3 3	7 - 1 5		5 - 1	2 -		2 -		1111	1111	1 - 1 -	1 1 2	1 2	6	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	5 8 24 22	5 13 7	- 2 2	- 3 5 2		- - 1	1111	1111	1111		1111			1111	2 -	2 1	1 -
harlton H K. /oolwich Dockyard K. /oolwich Arsenal HH K. lumstead, West H K. lumstead, East W K.	10980 17617 19048 14009 19241	5 21 19 11 20	2 5 5 7 17	- 2 - 2 3	1 2 2 2 6	11111	- - 2 7		11111	1 2	1111	1111		11111	11111	1111	7	1 - 2
letropolitan Asylum Hospitals: Dartford w	=	-		-			-					-		-	-		-	1 1 1

Phe following Workhouse in Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the one of the property

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION; BIRTHS and DEATHS registered during the

	oi-London.		t Italy	Week	endi	ng Sa	turda	y, 23	rd M	larch,	1889							4
Regis-		Area					14.1		The D	EATHS	regist	ered li	the '	Week i	nelude		,	
tration		Acres,	Enume-			Dea	ths of				Death	from						2
District	REGISTRATION	inclu-	rated	E S	HS.	-	60 ds.		1			ıgh.	1	1			Public	Causes
Sub-	SUB-DISTRICTS.	Tidal	Popu- lation,	BIRTHS	DEATHS	under of Age.	Aged & upw			Fover.	å	Whooping-cough				Inquest Cases.		ed C
district Num-		Water	1881.	BI	a	r of	118 A	-box	100	ot Fe	heri	ping		hook	nce.	est (	hs in	rtiff
bers.		Fore-				Infants	Persons Years	Small-pox.	Measles.	Searlet	Uiphtheria.	Vhoc	Fever.	Diarrhosa	Violence.	nbu	Deaths	Uncertified of Death.
-					-	-	- D	00	-	30	-			-	-		-	
ro	DON-OUTER RING	370,924	950,957	767	397	76	114	-	23	1	5	6	2	1	5	17	44	4
														П				
80:1	Carshalton wL -	12228	21118	12	16	1	4	-	-1	-	-	-	-			-	11	
2	Epsom (part of) WwH	9971	10710	6	2	1	1											
87:1	Godstone (part of) * -	2754	1235		-		-	-		-		-	-		-	-		
B8:1	Croydon WwHHL -	20851	101241	71	28	4	8 2	-	-		7	1	-		1	1	2	
8p:1	Mitcham to † -	11697	17932	12	7	1	4											
2	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	11	14	1	8	-	-	-	-	-	-	1	-	1	1	1
3	Esher (part of) * -	6601	9221	6	5	2	1	-	1	-		-	-	-	-	-	-	
4	Hampton H	4573	13539	8	7	2	2 2		-						_		1	
40:1	Richmond WH Mortlake	2272 2941	21302 12331	13	11	3	4	-	1	-	-	-	-		-	-	-	-
41:1	Bromley (pt. of) * HH	15669	31142	31	4	1	1	-	-		-	-	-	-	-	-	-	
2	Chishrst(pt.of)* WHH	14307	15844	10	5	1	2	-	-	-	-	-	-	-	-	-	1	1
42:1	Bexley H	13437	24134	15	6	1	3	-	-		-	-		-	-	-	-	
124: 1	Dartford (Ww, pts. of)*	11055	11695	6	4	2							_			1		
2	Sunbury w Staines W	13277	12089	10	6	-	3	-	-	-	-	-	-	-	-	1	1	
125:1	Hillingdon WHH .	6029	10802	7	8	2	1	-	_	-	-	-	-	-	-	1	8	1
3	Uxbridge	6178	3225	4	1 1	1	-	~	-	-	-	-	-	-	-	-	-	
126:1	114,05 6112	14587 7008	11523 22727	14	16	3	6						1		_		5	7
2	Isleworth $WHH$ - Twickenham $H$ -	2477	12479	7	6	2	1	-	2		-	-	-	-	-	-	-	-
8	Brentford HL	4345	27549	12	11	1	4	-	-	-	-	-	-0	-	1	1	-	
5	Chiswick	1340 6083	15975 22876	14	7	3	8	-	1	_	1	2	-	_		-	-	Ĭ.
127:1	Harrow H	13309	12796	2	4	2	1	-	-	_	-	_	~	-	_	-	-	
2	Edgware H	6994	3749	-	1		1	-	-	-	-	~	-	-	-	-	-	-
8	Willesden	4383 8382	27453 10484	45 12	11 4	1	8	-	_	1		_	-	-	1	1		
137:1	Bushey	9331	6621	2	3	2	1	-	_	_	-	_	_	_				-
2	Watford (W, pt. of)* -	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
128:1	South Mimms	15599	6391	2	5		. 2	-	-	-	-	-	- 1	-	-	-	1	ŀ
3	Barnet Finchiey HL	5433 4888	10092	5	8	-1	3	-	-	I	-	-	-	-	-	-	6	
185:1	Hatfield (part of) * -	3306	583	-	1	-	1	-	-	_	_	_	-	_	_	_		
129:1	Hornsey H	3039	37078	24	7	2	-	-	-	-	1	1	-	_	-	1	_	-
2 8	Tottenham H Edmonton Ww 1 -	4642	46456	58	22	1	5	1-	-	-	1	-	-	-	-	-	1	-
4	Edmonton Ww ‡ - Enfield WH	7453 12653	23463 19104	23 19	12	1	1 4		1		-	-	-	-	-	1	-	1
5	Waltham Abbey	11017	5388	4	-		-	-	-	-	-	-	-	-	-	-	-	
186:1	Cheshunt Stratford	8480 B82	7735 BSEM1	5	-		-				-	-	-	-	-	-	-	
2	West Ham wwwwH\$-	7351	101053	31 117	15 56	2 16	7	-	8		-	- 2	1 -		1	2 `	-	
8 4	Leyton WwL Walthamstow H -	4372 6520	32430	42	18	2	5	1-	-	-	-	-	-		-	1	6	
187:1		11761	28869 9689	33	13	4	8	-	-	-	1	-	-		-	1	-	-
2		-	-	-	12	2 -		-	9	-			-	-	-	-	-	
189:1		6730	3411	2	3	-	8	-	-	-	_	-	_				2	
3	Barking Town	3493 4127	7645 9203	6	2	-	-	-	-	-	-	-	-	-	-	-	-	I-
		2501	9300	1 .0	3	1	1	-	-	-	1	40	-	-	-		-	. "

<sup>.</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows. \* 100 pairs of ano-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:2, Esher sub-district, except the parish of Esher (pop. 1293); 41:1, Bromiey sub-district, except the parish of Esher (pop. 1293); 41:1, Bromiey sub-district, except the parish of Esher (pop. 1293); 41:1, Bromiey sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Nortawn in Hatfield sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 139:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum; Hospital, Winchmore Hill (see Table 5).

‡ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 23rd March, 1889.

	Area			L RATE			The DE	ATH	regi	stered	in t	he W	eek i	nelud	е	
GREATER	in Acres,	Estimated	of Mor per 1000	TALITY Diving.	DEATES	Deat	hs of			1	eath	s from	n			ublio
LONDON,	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL: CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fover.	Diarrhos.	Violence.	Deaths in Pu Institution
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	18.	15.	16.
GREATER LONDON	448,334	5,642,015	18.1	2.0	1952	394	563	-	107	7	28	48	6	19	59	409
INNER LONDON - OUTER RING -	77,410 870,924	4,351,738 1,290,277	18°6 16°1	2.1	1555 397	318 76	449 114	-	84 23	6	23	42	4 2	18	54	365 44

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 Foreign Cities, having an estimated Aggregate Population of 16,564,302 Persons.

							DE	ATHS	FROM	PRIN	CIPAL ES.	ZYMO	
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETU: Week end		BIRTHS.	DEATHS. f Stillborn.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.
CALCUTTA	433,219	November	24		-	-		-	-	-	<del>-</del> .	-,	÷
BOMBAY	773,196	February	26	291	441	25.4	8	21	5	3	?	143	22
MADRAS	398,777	29	8	261	326	42.4	1	14	5	5	5	76	74†
PARIS 1 -	2,260,945	March	16	1220	1100	25.3	5	33	4	40*	7	10	37
BRUSSELS (with 8 Faubourgs.)	471,606	**************************************	16	277	182	20.1	-	7	-	1	5	2	13
AMSTERDAM -	390,016	.,	16		- 1	-	~	-	~				7
ROTTERDAM -	197,723	,,	16	-		-	-	-	-		-1	-	-
THE HAGUE .	153,440	19	16	-	-	-	-	-	- 1	-	-	-	
COPENHAGEN -	807,000	,,	9	186	109	18.2	-	-	2	2	2	-	2
Втоскновы -	221,549	,,	9	140	70	16.4	-	-	3	2*	-		5
CHRISTIANIA -	135,600	33	16	68	55	21.1	-	2	-	7	1	- :	3
St. Petersburg	842,883	39	9	-	596 .	36.9	1	-	10	11	3	23	75
BBRLIN	1,470,582	12	2	898	564	19.9	-	6	2	20	8	19	34
HAMBURG(State)	550,694	91	9	404	265	25:1	-	~	2	12*	5	12	16
DRESDEN	264,196	"	9	186	106	20.9	1 5			4*	. 5	-	2
BRESLAU	313,451	39	16	227	177	29.6	-	1	1	8	1	8	8
MUNICH	281,000	98	9	201	163	30.5	-	5	3	4*	2	1	16 21
VIENNA	811,434	99	9	534	405	26.0	-	4	ter	7		4	5
PRAGUE	304,356	,,	.9	-	177	30.3	18	2	-	4	1	5 9	15
BUDA-PESTH -	452,907	33	9	366	281	32.3	-	-	3	9		8	10
TRIESTE	158,084	D -	9	-	103	33.9	2		1	1			
Rome	401,044	January	26	315	215	27.9	4	5	1	2	-	2‡	11 9
TURIN (10 days)	306,398	February	20	270	206	24.5	-	1	1	7	3	2	4
VENICE	153,375	March	2	78	111	37.8	1	7	-		-	1	
CAIRO	374,938	February	28	384	323	45.0	2	1		2*	6	20	82 63
ALEXANDRIA -	231,396	33	28	221	254	57.3	-	11	-	-	1	11	
NEW YORK -	1,549,500	March	2	_	857	28.9	-	26	50	35	18	6	15
ROOKLYB .	814,505	1)	2	-	365	23.4	-	7	6	27	11	1	8
PHILADELPHIA -	1,040,245	,,,	2	-	425	21.3	-	2	6	6	8	18	- 8
KALTIMORE -	500.343	29	2	-	158	16.5	-	-	2	2	1	4	
						1	1	-	البريز				_

<sup>\*</sup> Including deaths from croup.
† Including 6 deaths from cholera.
‡ Including 1 death from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 23nd March, 1889. [Under the Superintendence of the Astronomer Roual.]

									Unde	S out -	uperin	tenden	ce of th	Under the Superintendence of the Astronomer Royal.	nomer	Roya	f.J			,	. 9				0
		BARO-	-0- Br		TEMI	TEMPERATU	JRE.		Differ	ence per	ween	1	T	TEMPERATURE	TURE.	-		Wind as deduced from Anemometers.	duced fr	om Ane	momete	r.B.		Rain	
1889.	Phases		1 20		Of the Air	Air.		Of the Dew Point.	the An	the Air Temperature and Dew Point Temperature.	rature sint re.	Degree of Hu- midity	Of Radiation.		Of the Water of the Thames at Deptford.	Vater ames	General Direction.	Osler's.		Pressure on the	the tre	Robinson's.		in a Gauge whose	04040
Монти AND DAY.	Moon.		d High- to est.	Low-	Daily Range.	Mean daily e. value.	parture from Average of 20 years.	Mean daily yelue.	Mean daily value.	Great-	Least.		High- est in Sun's Rays.	Lowest Hon the Grass.	High-	Low-	A.M.	P.M.	Great-	Least.	an 224 urly 8.	Horizontal Movement of the Air on each Day.	Depar- ture from Average of 16 Years.	Surface is 5 inches above the Ground.	
MAROH.	Tr Full	in.	0 0	0 88	0 %	44.7	0 +	4 41.4	0 60	0.01	0.0	80	0 12	0 80.7	0 84	49.5	Well a m	wew	lbs.	lbs.	1bs.	Miles.	Miles.	in.	0.0
							+			11.8	2.0	7	72.5				SW	SSW. & SE.	0.0	0.0	0.0	172	-	00.0	0.4
						1 46.1	+	7 41.4	4.1	12.7	0.2	84	83.0	29.3	45.0	42.8 E	ESE. & SSW	SSW. & S.	0.6	0.0	9.0	831	+ 50	0.15	8.0
WED 2	20	28.834	52.	5 58.9	13.6	44.6	+ 3.1	1 40.5	4.1	₹.01	0.0	200	110.3	34.0	45.6	41.1 S	SSW. & SW.	SSW.	9.9	0.0	6.0	405	+ 25	10.0	00
THURS. 2	21 Perigeo.	29.340	11.3	3 33.0	80	36.5	- 5.4	4 32.7	3.2	11.0	0.0	87	20.0	27.5	45.8	44.1	N.	NNE.	8.4	0.0	1.8	463	+154	12.0	0.0
FRI 2	22	586.63	2 46.2	31.5	15.0	98.6	- 3.1	1 29.9	8.7	15.2	5.2	11	94.3	25.6	45.5	1.55	N.	N. & WSW.	1.2	0.0	0.5	2.1.4	- 63	00.0	0.0
SAT 2	23	30.110	0 53.2	32.1	21.1	43.5	+ 1.1	9.28 4	6.4	14.4	0.2	73	9.011	25.3	44.8	43.3	W.& WSW.	SW. & WSW. RSW.	30	0.0	0.2	876	21 +	09.0	4.0
MEANS	:	29.576	0 50.3	35.7	9.71	42.2	+ 1.0	8.98 0	2.1	12.3	1.5	80	85.0	29.5	6.74	43.5	SW.	S. N.	:	:	1:	Sum 2245	Sum + 79	Sum 0.46	3.1
No. of Col.		4	2	9	7	00	6	10	11	12	13	14	15	16	17	18	19	20	21	9.9	23	¥01	25	26	27
DATE.	EL (For e	ELECTRICITY. (For explanation of symbols, see Note.)	Tr. on of ote.)	Regist. Sunsh in hou	ered Su ine, H	Registered Sun above Sunshine, Horizon, in hours. in hours.		3	ENER	IL RE	GENERAL REMARKS	zó.		Corre	le heig	ht of that has bee	The height of the cistern rrection has been applied to	The height of the cistern of the barometer is 159 feet above the mean level of correction has been applied to the resultings to reduce to sea level.	meter is to re	s 159 f	eet abo	ve the me	0	of the sea; no	a; no
SUNDAY	17   1			0.5		0.11	Over	Overcast generally.		A little	little rain.			eye-r conv of th	reading erted e phot	s of the	e usuany or the paromete ean daily vice records it	Overvations are usually taken as a maxim; but some all the wet bulb thermometer, are operated into means of the converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and of the photographic records made during the twenty years ending 1873 for the barometer, and	applied the two	mome viion o	ter, and	d the wet ctions dec ding 1873	bulb the luced from for the b	the means of thermometer, from a discuss he barometer,	of the er, are assion r, and
MONDAY . 18	18			8.0	SO.	12.0	Overcast wards.	east till	afternoon;		generally	cloudy	after-		of the dry bu and minimu (column 8).	oulb the	y years end lermometer hermometer mean dail	utring are wenty years entails, 1806 for the corrected mean of the readings of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of femperature of the air (column 8). The mean daily dew point temperature and degree of humidity are defined.	the co	rrected ean d rature	aily va	Wild the corrected mean reading, to fithe readings of the maximum alue of femperature of the air degree of humidity are deduced.	e corrected mean eadings of the m temperature of if humidity are	mean reading the maximum re of the air are deduced	reading aximum the air deduced
TURBDAY :. 19	0.			0.0		12.0	Cloudy.		Showery.	Strong	wind at	at night.	*	from	from the mean metrical Tables. The average t	ables.	daily value. nperature c	from the ment daily values of the dry and wet build thermometers by Glaisher's Hygro- metrical Tables.  The average temperature of the air is that derived from a discussion of the photographic	and w	ret bu	from a	and wet bulb thermometers by Glaisher's Hygro- that derived from a discussion of the photographic	s by Glai	photogr	Lygro-
WEDNESDAY 20	20   Instrumer	at	under	2.2	r	12.1	Gust at tim	Gusty wind in morning; variable till at times showery; overcast at night,	n morn	ng; va	riable ti	ill even	evening, and		rds ma e air f readi	rom a current the	discussion of columns 9 the average	records made at Greenwich during the 20 years ending 1898, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.  In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and — "Roner," than the average.	netric II be b	record orne in	s 1868, g is for th	und that one 16 year that + in	s ending ndicates	ital mov. 1875. 'higher,	ement
TRUBBDAY. 21				0.0		13.5	Over	Overcast with showers of rain and evening; fine at night. Brisk cold wind,	h shov	vers of Brisk	rain cold w		snow till	) ====================================	surface r read	momet at the	The thermometers in the wai the surface, at the end of one their readings are registered	The chermometers in the water of the Thames are suspended at a depth of two feet below to surface, at the end of one of the jaties of the Foreign Cattle Market at Deptimen, and estrated are engistered by the Olork of the Market, under instructions from the oir readings are registered by the Olork of the Market, under instructions from the	Thamer ties of lerk of	the F	spend oreign Market	suspended at a depth of two feet below Foreign Cattle Market at Deptiond, and Market, under instructions from the	pth of t arket at instruction	Wo feet Deptiond ins from	below and the
FRIDAY . 2%		-		· 60		19.5	Part	Partially cloudy till evening; sevening; devening; doudless at night, Fine.	ndy till less at	evenir night.	ig; slig	slightly fo	foggy in		Corporation The reco symbols en	Corporation of London.  The record of Electrical Symbols employed are	Electricity d are :P.	Corporation of London.  The record of Electricity is derived from Thomson's self-registering Electrometer.  The record of Electricity is derived from Thomson's self-registering Electrometer.  Symbols employed are:P. positive; N. negative; w. weak; m. moderate; s. strong;  v. variable.	from 7	Thomse tive;	w. wear	f-register k; m. me	ing Elect	rometer,	The ;
SAUGEDAY. 2	23			6.8		12.3	A v.	A very fine day. Cloudless clouds in afternoon; overcast	ay. Cl	oudless	in		few light	£ ;	aggreg	ate dui	n column 29 ration of br	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the agreemed clurition of bright sunshine on each day. The results of all the meteorological observations are to be understood as convictions at	e on ea	Cample ch day	bell-Std	ikes Suns	thine Ins.	rument	show
				Sum 18.4		Sum 84.7								civil Tri	day, cheread	ing of ton	ril day, or from midnight the reading of the baromet Sh. P. M. on the 20th; inc.	civil day, or from midnight to midnight. The reading of the barometer decreased by Sh. P.M. on the 20th; increased to 30	from 3	0.11 in by 9h.	at the	30'11 in at the beginning of the week	s of the w	pek to 28	82 in.

## OFFICIAL COPY.

# WEEKLY RETURN

IN

DEATHS AND IN

## TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

WEEK ENDING SATURDAY, MARCH 30. No. 13. 1889. Vol. L.

AND

BIRTHS

Price 11d

LONDON

## General Register Office, Somerset House, 1st April, 1889.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19.9 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending					Weeks	ending	5
Towns.	Mar. 9.	Mar. 16.	Mar. 23.	Mar. 30.	Towns.		Mar. 9.	Mar. 16.	Mar. 23.	Mar. 30.
Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull -	31·0 23·7 22·2 16·3 17·3 18·1 14·3 21·2 15·7 17·6 22·5	18·4 33·1 30·5 20·4 19·3 23·0 17·1 17·5 25·7 24·7 22·6 24·4	20·1 36·1 26·4 19·1 15·0 18·7 23·1 17·5 16·1 19·7 18·8 26·3		Norwich - Nottingham Oldham - Plymouth - Portsmouth Preston -	· *	29·6 30·5 23·7 19·1 23·8 17·3 23·6 28·5 24·1 24·6 21·4	19·7 27·8 23·3 25·4 19·5 16·9 21·3 20·3 32·5 23·8 24·9 14·0	18.6 31.5 19.4 19.3 20.4 21.6 23.3	$\begin{array}{c} 17 \cdot 7 \\ 30 \cdot 3 \\ 24 \cdot 0 \\ 19 \cdot 3 \\ 18 \cdot 9 \\ 25 \cdot 7 \\ 27 \cdot 4 \\ 17 \cdot 4 \\ 28 \cdot 0 \\ 20 \cdot 3 \\ 21 \cdot 8 \\ 19 \cdot 8 \end{array}$

The highest annual death-rates, measured by last week's mortality, were:from measles, 1.5 in Oldham, 2.6 in Manchester, 3.9 in Norwich, and 5.0 in Bolton; from scarlet fever, 1·4 in Sheffield and 2·2 in Blackburn; from whooping-cough, 1·7 in Birmingham, 2·0 in Nottingham, and 4·5 in Preston; and from "fever," 2·0 in Preston. The 38 deaths from diphtheria in these towns included 18 in London, 3 in Manchester, 3 in Salford, 3 in Sheffield, and 2 in Liverpool. Small-pox caused one death in Portsmouth, but not one in any of the other twenty-seven great towns.

LONDON. In LONDON 2808 BIRTHS and 1476 DEATHS were registered. Allowing for increase of population, the births were 13, and the deaths 425, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19.7 and 18.6 in the two previous weeks, further declined to 17.7 last week. During the thirteen weeks of last quarter the death rate averaged 19.5 per 1000, and was 3.9 per 1,000 below the mean rate in the corresponding periods of the ten years 1879-88.

A 57026.—13. 610.—4/89. Wt. 14.

The 1476 deaths included 56 from measles, 11 from scarlet fever, 18 from diphtheria, 51 from whooping-cough, 8 from enteric fever, 9 from diarrhoa and dysentery, and not one from small-pox, typhus, ill-defined forms of fever, or cholera; thus, 153 deaths were referred to these diseases, being 79 below the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 13; 2 smallpox patients were under treatment at the end of the week in the Metropolitan Asylum Hospitals, and not any in the Highgate Small pox Hospital. The deaths from measles, which had numbered 76, 60, and 84 in the three preceding weeks, declined last week to 56, but were 6 above the corrected average; 8 belonged to Islington, 5 to St. George Southwark, 4 to Newington, 3 to St. Olave Southwark, 4 to Bermondsey, 4 to Camberwell, and 7 to Greenwich sanitary areas. The fatal cases of scarlet fever, which had declined from 16 to 6 in the two preceding weeks, rose again last week to 11, but were 16 below the corrected average; 3 belonged to Islington sanitary area. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 579 scarlet fever patients, against numbers ranging in the nineteen preceding weeks from 980 to 569; 41 cases were admitted to these hospitals during the week, against 64, 52, and 58 in the three previous weeks. The deaths from diphtheria, which had been 31 and 23 in the two preceding weeks, further declined to 18 last week, which though a smaller number than in any week since the middle of September last, were yet 3 above the corrected average; 2 belonged to Hammersmith, 2 to St. George Hanover Square, 2 to Poplar, and 2 to Bermondsey sanitary areas. The deaths from whooping-cough, which had been 29, 37, and 42 in the three preceding weeks, further increased to 51 last week, but were 44 below the corrected average; 10 belonged to Islington, 8 to Poplar, 4 to Bermondsey, and 4 to Lambeth sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 14 and 18 in the two previous weeks, declined to 9 last week, and were 5 below the corrected average.

The deaths referred to enteric fever, which had been 4, 6, and 4 in the three preceding weeks, rose again to 8 last week, being, however, 7 below the corrected average. There were 41 cases of enteric fever, and 3 of typhus, under treatment in the Metropolitan Asylum Hospitals on Saturday last; one case of enteric fever was admitted during the week, against 2, 1, and 3 in the three preceding weeks.

The deaths referred to diseases of the respiratory organs, which had declined from 402 to 378 in the three previous weeks, further fell to 332 last week, and

were 190 below the corrected average.

Different forms of violence caused 52 deaths; 46 were the result of negligence or accident, among which were 13 from fractures and contusions, 3 from burns and scalds, 8 from drowning, 1 from poison, and 19 of infants under one year of age from suffocation. The 13 deaths from fractures and contusions were thus caused:

—3 by accidents from vehicles in the street; 1 by accident on railway; 2 by fall from ladder; 2 by accidents on board ship; 1 by fall from cradle; 1 by injury from machinery; and 3 from fractures, the cause of which was not stated. An inquest was held in each of these 13 cases, except one of the last three. Four cases of suicide were registered, the corrected average being 7.

GREATER LONDON.

In Greater London 3728 births and 1876 deaths were registered, corresponding to annual rates of 34·5 and 17·3 per 1000 of the estimated population. In the Outer Ring 13 deaths from measles, 7 from whooping-cough, and 6 from diphtheria were registered. Of the 13 deaths from measles, 3 occurred in West Ham, 2 in Stratford, and 3 in Chigwell sub-districts. Two fatal cases of diphtheria were recorded in West Ham sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30.02 ins.; the lowest reading was 29.73 ins. on Monday afternoon, and the highest 30.31 ins. on Thursday morning. The mean temperature of the air was 45.6, and 2.5 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Tuesday, Wednesday, and Thursday, but showed an excess on each of the other days of the week. The general direction of the wind was westerly, and the horizontal movement of the air averaged 14.9 miles per hour, which was 2.4 miles above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0.11 of an inch. The duration of registered bright sunshine in the week was 14.3 hours, and corresponded with that recorded at Glynde Place, Lewes.

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		CITIES	AND BOROUGUS.		Cols.	- 28 Towns.	LONDON.	PORTSMOUTH.	NORWICH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPION.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	Borron.	MANCHESTER.	SALFORD.	Br ACE DIDM	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD	HULL.	NEWCASTLE.	CARDIER.	Campier	EDINBURGH.	GLASGOW.	DUBLIN.
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AIR.		an.	.absrg	Centi	22.	84.9	7.56	17 1	1	7.55	00.2	0.11	ı	1	1.55	1	1	6.33	1	1	1	1 1	1	1	1	6.73	ı	1	11.2	00.00	1 1		19.4	7.28	7.83
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BATURI	-	.38	Lowe	Fahrenheit.	20.	9.98	26.6	0 07	1	51.4	32.5	1.17	1	1	27.3	1	1	31.8	1	1		8 1		1	ı	3.4.5	ı	1	0.12	0.00	1 1	•	32.5	0.97	\$.93
TEMPE		.186	High	Fahre	19.	0.79	0.09	2 1	1	2.12	29.5	29.0	1	1	0.19	ı	1	8.49	1	1			1	ŧ	1	8.49	ı	1	0.79	0.00	1	1	55.0	6.89	57.1
		Deaths	mo sees in .SL-3.	Diaes Cola	18.	2.3	1.8	2.2	3.9	1.0	9.I	0	20.2	1.7	7	1.1	1.0	5.0	0.9	4.4	4.2	21 0	0.00	1.1	1.3	6.0	2.6	4.6	1.2	200	9.7	20	1.2	7.1	1.3
Annual	corresponding	Week's	IIA n	ROII	17.	6.61	17.7	17.4	19.3	4.16	19.6	9.61	21.5	16.3	18.0	12.7	15.8	25-7	8.97	30.3	20.3	25.7	7 07	4.12	13.5	\$22.4	55.6	21.8	19.3	19.8	24.0	19.4	14.1	29.7	27.6
-	1.0	eatl eatl	dittes. Tio as	rU susU	16.	89	17	1	Н	1	1	ı	20	1	63	ı	1	43	1	eo .	-	27 -	4 -	1	4	ಣ	20	<b>C3</b>	9	н ,	-	L	22	37	33
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	luring			DEATES.	80	3640	1476	4:	35	41	86	31	185	47	98	26	65	264	59	220	16	20	54	56	22	101	155	137	22	12	74	42	, I	301	187
TABLE	Registered during	the Week ending	-	BIRTHS. DI	23	9619	8082	09	200	49	135	42	300	265	141	25.	6.5	292	69	270	163	80	89	84	37	184	245	223	144	101	119	102	100	367	242
-	Reg		50	Втв	-	-		-	000		-		10			٠	o F	1 6			65	20	10	4	9 9		- 6	27	17	38	38	12	-	> 4	63
		POPULATION	to the middle of the Year	1889.	1:	9.555.406	4,351,738	121,807	141,253	78 995	229,361	82,544	AK 1. 09K	150 590	967 619	68 890	109 517	606 569	114,670	878.800	234,283	142,405	121,275	104,194	81.080	985.056	357,449	827.227	208,017	184,193	160,988	112,712	000000	528.144	353,082
-	_	Po	P 24		18.	-!			•	. 1		NO					s !	• •			•	•		•				٠		•	•	1	-		
			AND AND RORUNGES.		Cols.	* ON THOMAS	- MOUNCI	BRIGHTON -	PORTSMOUTH	NORWICH .	PLYMOUTH .	WOLVERHAMPTON		BIRMINGHAM.	LEICESTER	Nottingham	DERBY .	BIRKENHEAD	BOLTON -	Taron months	SALFORD* .	OLDHAM .	BLACKBURN .	PRESTON .	HUDDERSFIELD	Dramaoni.	LERDS	-	HOIT .	SUNDERLAND	NEWCASTLE*	CARDIRF		GLASGOW .	DUBLIN .

Table 2. LONDON.—Births and Deaths Registered in the Thirteenth Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1858	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females .	2349	9492	2608	2647	2714	2732	2404	2698	2736	2492	2821·2	28 8
	1196	1279	1329	1330	1345	1386	1247	1859	1379	1288	1432·6	1403
	1153	1213	1279	1317	1369	<b>1346</b>	1157	1339	1357	1204	1388·6	1405
Total Deaths  Males Females .	2078	1732	1547	1655	2148	1573	1701	1745	1588	1668	1901·2	1476
	1044	909	830	788	1089	829	852	876	806	828	965·1	731
	1034	823	717	867	1059	744	849	869	782	840	936·1	745

<sup>\*</sup>The numbers in this column are the average weekly numbers in the thirteenth weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TOTAL Births - 2855 2668 2837 2569 2662 2772 2511 2695 2609 2698 2699 2670 2808	LADL	E OI DOINGIN .	DITE I		,	-	1121712	OROL	OGI 1	n the	Last	IHIR	TEEN	WEE	AS.
Total Deaths -   1784 2075   1769   1620   1570   1460   1516   1567   1472   1637   1638   1553   1476    Ages at															
Ages at	TOTAL	Births	2855	2668	2837	2599	2662	2 <b>7</b> 72	2511	2695	2609	2698	2699	2670	2803
Ages at \$\begin{array}{cccccccccccccccccccccccccccccccccccc	TOTAL	Deaths	1784	2075	1769	1620	1570	1460	1516	1567	1472	1637	1638	1553	1476
Table   Tabl	E)	20—40 , 40—60 ,, - 60—80 ,, -	204 308 366	218 383 506	197 288 428	162 280 394	158 270 338	181 243 313	182 279 322	202 278 337	153 254 314	175 309 391	188 298 357	164 274 366	200 274 287
" " Measles -   143   176   121   83   71   566   43   70   67   76   60   84   56   12   17   19   50   11   12   16   14   12   16   16   6   11   12   17   19   50   11   12   16   14   12   16   16   6   11   12   13   18   18   18   18   18   18   19   18   18	**	₹1—5	338	370	315	281	250	233	247	238	257	277	249	276	242
" , Measles -	Deaths fr	om Small-pox	-	_	_										
", Scarlet ever	**	2 2 1 4 5					71		43	70	67	76	60	84	56
" Whooping-cough " Typhus					1				1 - 0			16			
"" Typhus -		William to a second													
## State   Cever   14   10   7   10   10   5   13   8   6   4   6   4   8		, Typhus	1		1							}			
"" Diarrhœa and Dysentery -   11		Cimen I. Classia Co.			1			5							
Dysentery -     11   12   11   24   13   18   10   16   18   15   14   18   9		This make a see 3.3			-	1	1	-	-	ten	-	3	-	_	-
## Cholera   1   -   -   -   1   -   -   -   1   -   -	"	Dysentery -}	11	12	11	24	13	18	10	16	18	15	14	18	9
## mentioned Diseases  ## mentioned Diseases  ## mentioned Diseases  ## mentioned Diseases  ## mentioned Diseases  ## mentioned Diseases  ## mentioned Diseases  ## mentioned Diseases  ## 153  ## 154  ## 186  ## 187  ## 186	99	,,	1900	1	bets	100		-	1		_	_	2	_	
tory System   484   652   492   456   409   340   376   362   362   402   396   378   332   154   187   136   152   138   140   158   156   127   161   162   139   153   150   155   141   142   132   120   130   116   150   157   126   153   150   155   141   142   132   120   130   116   150   157   126   153   150   150   150   157   126   153   150	"	,, all the above- mentioned Diseases	246	275	232	195	182	148	138	167	160	163		177	-
", Phthisis -   154   187   136   152   188   140   158   156   127   161   162   139   153   ", Dis. of Circulatory System"   160   195   155   141   142   132   120   130   116   150   157   126   153    Violent Deaths   61   58   63   50   55   49   44   65   57   52   63   58   52   Inquest Cases   132   143   121   102   104   91   98   114   118   114   127   111   125   Deaths in Public Institutions   360   398   386   401   382   314   375   353   353   395   378   365   355    Temperature of the Air   51   8   35   8   38   5   43   1   35   6   34   3   41   4   41   4   41   4   41   4   4	**	tory System	484	652	492	456	409	340	376	362	362	402	396	378	332
Tory System  Violent Deaths 61 58 63 50 55 49 44 65 57 52 63 58 52  Inquest Cases 132 143 121 102 104 91 98 114 118 114 127 111 125  Deaths in Public Institutions  Temperature of the Air  Mean of Highest readings - Mean of Lowest readings - 27 1 30 9 34 0 33 6 36 5 30 2 27 1 36 2 29 8 28 9 31 2 2 5 7 8 38 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	97		154	187	136	152	138	140	158	156	127	161	169		
Violent Deaths 61 58 63 50 55 49 44 65 57 52 63 58 52 Inquest Cases 360 398 386 401 382 314 375 353 353 395 378 365 355 355 398 386 401 382 314 375 353 353 395 378 365 355 355 368 361 39.7 41.0 48.8 49.4 41.9 40.9 47.3 37.7 46.3 46.8 56.5 355 45.6 36.1 39.7 41.0 48.8 49.4 41.9 40.9 47.3 37.7 46.3 46.8 56.5 51.6 38.6 40.9 47.1 30.9 34.0 38.6 36.5 30.2 27.1 36.2 29.8 28.9 31.2 35.7 35.6 40.9 40.9 47.3 36.2 29.8 28.9 31.2 35.7 35.6 40.9 47.9 47.9 47.9 47.9 47.9 47.9 47.9 47	17		160	195	155	141	142	132	120	130	116				_
Inquest Cases	Violent I		61	58	63	50	5.5	40							133
Deaths in Public Institutions   360   398   386   401   382   314   375   353   353   355   378   365   355	Inquest C	Cases	132	143											
TEMPERATURE OF THE AIR Mean Mean of Highest readings - 36·1 39·7 41·0 48·3 49·4 41·9 40·0 47·3 37·7 46·3 46·3 55·6 38·6  Humidity of the Air - 93 9S 87 93 88 81 84 81 83 75 80 80 81  Registered Sunshine (in hours) 3·2 2·7 1·5 5·3 13·0 7·4  Registered Sunshine (in hours) 3·2 2·7 1·5 5·3 13·0 7·4  38·8 42·5 45·6 34·3 41·4 32·8 37·7 46·3 46·8 50·3 51·6 38·6  38·8 41·4 32·8 37·7 46·3 46·8 50·3 51·6 38·6  38·8 81 84 81 83 75 80 80 81	Deaths in	Public Institutions	360	398	386	401									
Mean of Highest readings - Mean of Lowest readings - Mean of Lowe		TURE OF THE AIR	0	0	0	0	53	0		0		3.0	310	000	
Mean of Lowest readings       27·1       30·9       34·0       33·6       36·5       30·2       27·1       36·2       29·8       28·9       38·6       36·5       30·2       27·1       36·2       29·8       28·9       38·6       38·6       36·5       30·2       27·1       36·2       29·8       28·9       38·6		of Highest readings								41.4	35.8	37.4	38.8	42.5	
Humidity of the Air 93 98 87 93 88 81 84 81 83 75 80 80 81 Rain-fall in inches 0.00 0.49 0.02 0.15 0.22 0.80 1.19 0.05 0.13 0.54 0.04 0.46 0.11 Registered Sunshine (in hours) 3.2 2.7 1.5 5.3 13.0 7.4 8.7 14.0 7.0 0.54 0.04 0.46 0.11														50.3	51.6
Rain-fall in inches 0.00 0.49 0.02 0.15 0.22 0.80 1.19 0.05 0.13 0.54 0.04 0.46 0.11  Registered Sunshine (in hours) 3.2 2.7 1.5 5.3 13.0 7.4 2.7 14.0 7.0 0.05 0.13 0.54 0.04 0.46 0.11			02	00							29.8	52.9	31.5	35.7	38.6
Registered Sunshine (in hours) 3.2 2.7 1.5 5.3 13.0 7.4 8.7 14.0 7.6 0.2 0.04 0.46 0.11											83	75	80	80	81
		1								- 1	0.13	0.54	0.04	0.46	0.11
	Registere	a sausnine (in nours)	3.5	2.7	1.5	5.3	13.0	7.4	8.7	14.9	7.6	26.0	14.8	18.4	14.3

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations. (See Table 1.)

and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John hampton; Henry Tomkins, Esq., M.D., Leicester; Arthur E.own, Esq. and B. A. Whitelegge, Esq., M.D., Notting-F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., M.R.G.S., Preston; J. McLandsbrough, Esq., Sungerland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the

				11	HET	EEL	HTR	VV 6	eek	of the Year 1889.									
	tor the	38	In t	the Vay, 3	Veck 0th M	end [arcl	ing h 1889	).			or the	8		the				9.	
	ges to		Des		of Per		s of				ges for		De	aths th	of Pe		s of		
CAUSES OF DEATH.	Corrected Averages 13th Weeks of the 10 1879-88.*	ALL AGES.		nder 20.	-20.	and under	and under	50 and under 80.	npwards	CAUSES OF DEATH.	Corrected Averages for the 13th Weeks of the 10 years 1879-88.*	ALL AGES.	0-1.	nder 20.	5-20.	20 and under 40.	and under	50 and under 80.	nwards.
ALL CAUSES	1901.2	1476	316	242	84 2	00	274 2	287 7	3	Diseases of Organs of Special Sense † }	2.0	3	3	-	-	-	-	-	-
Small- pox Vaccinated 1- Unvaccinated No Statement	}13'1	-	-	-	-	- 1	-	-		Diseases of Circulatory } System }	123.2	153	1	1	11	25	52	56	7
Measles Scarlet Fever	50°2 27°0	58 11	14	38 10	1	-	-	-	-	Croup Bronchitts	14.8 \$26.2 127.6	13 205 80	1 61 10	10 38 27	2 1 4	7 10	24 14	60 12	14 8
Typhus Relapsing Fever † Influenza	0.0 0.0	-	-	-	-	-		-	-	Pneumonia Pleurisy - Other Diseases of Respiratory System	8.8	32	5	7	1	1	11	7	-
Whooping-cough Diphtheria Simple Continued and	94·6 14·7 1·6	51 18	17	31	3 4	2	-	-	-	Dentition † Quinsy, Sore Throat † - Enteritis	17:3 3:0 5:9	12 1 4	7 1 1	5 -	-	- 1	-	- 2	-
Ill-defined Fever Cholera	15.2	8 -	-	-	4	3	-	1	-	Peritonitis	33.0 33.0 6.2	8 25 22	1	1	3 -	3 4	1 14 8	8	1
Diarrhea, Dysentery - Remittent Fevert Hydrophobia	14°0 0°0 0°2	9 -	4	2	-		1	2	-	Diseases of Lymphatic System & of Ductless Glands t	1.8	-	-	-	-	-	-	-	-
Glanders Cowpox and Effects of Vaccination †	0.0	-	-	-	-	-	-	-	-	Diseases of Urinary	45.3	50	-	1	3	13	18	13	2
Venereal Affections – Erysipelas – – Pysmia and Septicsmia	12·9 6·1 2·9	7 2 1	6 1 -	-	-	1	-	1 -	-	Diseases of Generative	5.7	1	-	-	-	-	1	-	-
Puerperal Fever Other Zymotic Diseases	6.9	2 -	-	-	-	2	-	-	-	Accidents of Childbirth  Diseases of Locomotive		4	-	-	-	4	-	-	-
Thrush Worms and other Paca-sitical Diseases	1.4	4	4	-	-	-	-	-	-	System † Diseases of Integumen-		11 4	1		5	1	3	2	2
Starvation, Want of Breast-milk †		3	3	-	-		-		_	tary System		-	-		-				_
Alcoholism	5.6	13	-	-	-	5	7	1	-	ACCIDENT.) Fracture and Contusion		13	2	2	2	2	4	1	-
Rheumatic Fever, Rheumatism of Heart† Rheumatism † -	9°6 3°7 3°4	9 - 7	-	-	5	1	1 - 3	2 - 4	-	Gunshot Wound - Cut, Stab Burn and Scald - Poison	0.7 - 8.0 1.9	3 1	1111	3		- 2	1 3		1111
Rickets † Cancer	4.6	6 52	4	2	2	7	27	16	-		4·8 17·3 2·4	8 20 1	19		-	1		-	-
Tabes Mesenterica Tubercular Meningitis Phthisis	195.9	2± 16 153	17 3 2	3		1 2 74	51	10	-	(Homicide.) Murder & Manslaughter	2.2	2	,	-	-	1	-	-	-
Scrofula, Tuberculosis Other Constitutional Diseases †	. 1	13	1		-	1		3	1	Gunshot Wound -	- 1.1	1	1			1	-	-	-
Premature Birth - Atelectacis †	- 88°3 - 2°4	43	42		-	-	-	-	-	Cut, Stab Poison	- 1.2 - 1.9 - 0.7 - 1.7 - 0.5	1 1 1				i	1	i	-
Congenital Malforma- tions - Old Age	9.2	55			-	-	-	23	32	(Execution.)	- 0.5								-
Apoplexy Epilepsy	- 51·4 - 7·2	33	1		- 2		2		4	Hanging	- 0.1	_			-	-	-	-	-
Convulsions Other Diseases of Brain and Nervous System	100°5	83	- 1	3   10	1		1	33	8	OTHER CAUSES † -	- 56*8	47	3	8	4 -	-		2	1

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9'046 per cent, for increase of population.

† As the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "uavaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the decessed has, or has not, been vaccinated, or when the cause of death is not certified by a registered ractitioner, the case is returned under the healing "no statement."

‡ The ovidence at injuests is often insulticent to carble the Coroner to certify whether a violent death be the result of accident, murder, assulaughter, or suicide. All such cases are classed under "accident or negligence."

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarle during the Week ending

													aut	ıng	the	11 66	IL CH	aini
							The	DEA	TH8	regist	erad :	in the	o We	ek in	slude			
	Enume-			Deat	hs o:					Deat	hs fr	om						
REGISTRATION	rated Fopu-	8.8	нь.	e. 1	1 80 wd4			2		-sough		Fever.	o da	Programme and the second		1	Publie	Causes
SUB-DISTRICTS.	lation,	Вівтня	DKATH	under of Age.	aged a	OX.		Fover.	ria.	ng-0		(or	Simple con-	nes.		Cases.	in	
	1881.	Total I	Total J	Infants Year o	ergons Years	Small-pox.	Measles	Searlet	Diphtheria.	hooping	Typhus.	Enterie (o	aple	DIALEBO	Violence	laquest	Deaths	Uncertified
	Annual or other last	To	T	Inf	Per	200	Me	200	Dia	3	17	En	130 113	1 5	>	Ē	De	5
LCNDON	3,815,704	2808	1476	316	360	-	56	11	18	51	-	8	-	9	52	125	355	17
Wast Districts	669,683	383	243	46	60	-	8	-	6	5	-	2	-	1	11	27	79	2
NORTH DISTRICTS	905,947	653	93	54 21	95 15	_	10	4	4	17	-	1	1	3 -	6	25	87	1
EAST DISTRICTS	692,738	549	276	60	70	-	2	1	8	11	-	3	-	1	8 20	31 33	82	1
SOUTH DISTRICTS - METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION	1,265,148	1069	530	135	120		86	6	4	17	-	2	-	-	20	- 88	85	12
LONDON ) WEST DISTRICTS.					-	_	-				-	-	-		-	-	-	
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 87880	45	24 13	4	7	:	-	-	-	-	-	1	-	-	1 2	5 7	5 9	-
Kensington Town Ww - W.M. Brompton H - W.M. & C.	120141	58	45 8	5 2	14	:	-	-	1 -	2	:	-	-	-	-	1 -	21	-
St. Peter Hammersmith W.M. St. Paul Hammersmith H W.M. & G.J.	7599 64340	2 48	2 26	9	7		ī	-	3	ī	-	-	-	ī	4	4	4	-
Fulham Wew W.M. & C Chelses South HHR C. Chelses North-west WHHRH C.	0396	66 22 25	25	8 2	3	-	1 1 1	-	-	-	-	-	-	-	1	3	1	-
Chelsca North-east C.	21925 32807 80353	16 9	12 13 9	6	2	-	-	-	-	1	-	-	-	-	=	-	8	-
Beigrave WHHH C. St. John Westmuster HHH - C.	59220 35496	25 15	24	8 3	3 2	-	2 -	=	2	-	-	ī	=	-	2 -	2	12	ī
St. James Westminster WHH N.R.&G.J.	24679	9	5 13	1	4	-	1	-	-	-	-	-	-	_	1 -	1 -	4	1
St. Anne Soho HHHHHHHH - N R. North Districts.	16608	8	5	-	8	П	1	-	-	-	-	-	-	-	-	-	2	-
All Souls Marylebone HIHH - W.M. Cavendish Square HHHH W.M.	26759 14891	13	16 4	4	5 2	-	1	-	1	-	-	-	-	-	-	2	9	-
All Souls Marylebone HIIHH - W.M. Cavendish Square HHHHI - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone IIII - W.M. W.M.	24809 21118	26	13	1 2	1	-	-	-	-	2 -	-	-	-	-	-	- 1	3	-
St. John Biatylebone 11	33033	23 19	5	-	2	-	-	-	=	-	-	ī	-	-	1 -	-	-	-
Hampstead WwwHHHH N.R. & W.M. Regent's Park Paneras H W.M.	45452 89115	20	7	1	1	-	-	-	-	1	-	-	-	-	1	1	3	
Tottenham-court wHHHH N.R.&W.M. Gray's Inn Lane HHH - N.R. Somers Town H N.R.	27729 30247 34369	13 23 34	24 13 10	2 2 2	5 4 1	=	-	-	-	-	-	-	-	=	-	-	13	-
Camden Town WH N.R. Kentish Town W N.R.	17811 87487	18 68	11 24	1 5	5 2	=	=	-	-	ī	-	-	-	2	1	1	6 8	1
Upper Holloway WWwH N.R. Isington South-west HH N.R. Islington South-east N.R.	67946 100976	60 71	53 81	7 9	17	-	6	1	1	4 5	-	-	-	1	1	6 5	18	-
Highbury H N.R.	61825 52048	45 83	29 13	4	11 2	-	1 -	1 -	-	1 -	-	-	-	-	ī	1 2	-	-
Stoke Newington H N.R. Stamford Hill E.L. West Hackney II N.R. Hackney WuwwH E.L.&N.R	92781 9277	16 9 31	6 3 5	=	2	-	-	-	-	-	-	-	-	-	-	1 -	-	-
Hackney WwwwH E.L.&N.R. South Hackney E.L.	37610 76911 39883	63	36	1 2	8 11 2	-	-	1	2	2	=	=	-	-	1	1 1 2	19	-
CENTRAL DISTRICTS. St. George Bloomsbury - N.R.	16681	9	6	1									,					
St. Giles South WH N.R. St. Giles North N.R.	14864 13837	4 5	3	1	1	Ξ	-	-	-	=	-	-	-	-	-	ī	-	
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R. & C. St. Clement Danes H N.R.	17508 7515	8 3	6 4	1	2	-	-	-	-	1	-	~	-	-	-	-	2	-
Strand Union Workhouse, Edmonton w.	8559	3 -	. 8	-	-	:	-	=	-	=	=	=	=	=	1	1	2	-
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R. Safron Hill H - N.R.	18671 10706 6583	11 7 3	9 4	1	1	-	=	-	-	-	-	-	-	-	1 -	1	3	-
we Tames Clerkenwell N.R.	17516 19281	15	2 6	1 2	1	-	-	-	-	-	-	-	:	=	-	-	=	-
Amwell Clerkenwell N.R. Pentonville N.R. Goowell-street N.R. Old-street H N.R.	14773	12 10 9	7 3	1	1 2	-	-		-	=	-	1 1 1	-	-	1	1	-	-
City-road HHL N.R. Whitecross-street N.R.		21 13	3 2	1 1 1	1	-	-		-	-	-	-	-	-	ī	1	-	-
Holborn Union Workhouse, Milcham w.	7 458	5 -	1 -	1 -	-	=	-	-	-	-	-	-	=	-	-	=	-	-
Bt. Botolph H N. K. & E. 1. Crupplegate N. K. St. Sepuichre H N. R. St. Bride W N. R.	7193 5358	7 2	4 2	1 -	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Allhallows Barking N.R.	13566	- 2	14 4 3	3	1 1	-	-	-	-	-	-	-	-	-	1	1	13	-
Briad Street H N.R.	5652	1		-	li	-	-	-	ī	-	-	-	-	-	ĩ	1	-	-

 EVER, DIPHTHERIA. WHOOPING-GOUGH, FEVER, DIARRHEA, VIOLENGE, &c., registered in each Sub-district aturday, the 30th March, 1889.

								_									
						The	DEA	THe:	regist	ered i	n the	Wee	k inc	lude			
Enume-			Deat		-	1				hs fro					1	3	98
Population, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Pyphoid) Fever.	simple con-	Diarrhosa.	Violence.	Inquest Cases.	Deaths in Publi	Uncertified Causes
7376 14967 29937 28036 46275	4 11 14 23 27	2 6 9 8 14	1 1 2 5 2	- 8 8 6					11111	11111		1111	11111	1	2 1	3 4 - 2	1111
29788 47532 29981 19810	26 49 22 21	11 25 7 5	4 5 - 1	2 7 4 2	-				2 -	-	1	1111	1111	1	1 2 -	8 -	1111
22585 15478 17490 9713 6102	14 12 14 4 9	13 22 5 8	2 1 4 1 -	5 - 2	1111	1		1 1 1 1	11161	-	1111	1111	1111	1 - 1 -	2 1 1	9 14 -	1111
88747 8410	80 4	13	2	1 6	Ē	1 -	-	-	ī	-	-	-	- 1		2	9	
10395 16107 32041	10 14 80	6 6	4 2 4	2 -	-		-		1 7 1		1	111	1	1 -	1 -	6	
87960 67653	26 50	13 20	2 3	5 6	-	-	1	ī	-		-	-	-	-	4	5	1
37074 64359 55077	30 51 48	12 36 23	3 5 5	2 3 6		-		- 2	4 3 1	1 1 1	1 1 1	-	1 1 1	2	6 8	16 3	B
13663 14999 21351 15953 21319 26672 59555 21623	8 8 16 7 11 12 60 27	2 1 17 8 11 8 27 9	- 1 4 3 4 2 9 8	2 - 2 1 1 - 11		4 1 2 2 2 -	1111111	1111,111	2 1 1 2 -	1111111	1111111	1111111	1111111	1 - 1 - 1	1 1 9 1 1 -	3 - 3 - 6 -	
11956 16800 15669 54682 36024	10 10 15 46 40	11 7 8 24 17	1 3 1 8 2	2 -4 3 1	11311	3 2 1 1	11111	2	2 -			1 1 1 1	11111	1	1 - 1	6 3 - 4	2 -
15195 16351 19876 39859 45282 25332 62537 19017	11 23 14 29 40 19 44 24	8 12 24 16 14 19 6	2 4 12 3 5	1 2 5 6 4 6 1		1	1	1	1 - 1	1111111	1	11111111	1	11111111	111111111111111111111111111111111111111	12 10	2 1
5467.5 52687 86380 28004 18285 25553	51 67 20 30 9 20	21 17 11 1 8 14	13 6 3	1.31 - 4.5	111111	2	11111	111111	1 1	111111	11111		11111	1 1 2 - 1 -	1 3 - 2 -	8 -	1
5590 59104 71089 50810	1 46 69 58	1 42 25 28	8 5 9	1 16 8 4		2 2	1		2				- - 1	2	3 1	2t 1	2
76782 7901 21972 24305	64 6 10 18	29 2 7 8	3 - 2	8	1 1 1 1	6	4		1		1 -	1111	1	1	1 -	1 2	1111
5048 21559 19865	8 7 19	- 5 9	- - 1	2		1		1			1111	1 1 1 1		-	- 1 1	1	1111
10930 17617 1904- 14009 19241	8 5 20 12 88	2 5 11 5 18	8 2 1 6	1 2 8		2 2	11111		1 1 1 1 1			1111	1	6	1 6	1 - 4	1
-		111	111	1 1 1	-	-		-							- 1 - 1		-
	7376 14967 14967 29987 29987 29086 46275 29988 47992 29981 19310 22588 47992 29981 16102 28874 37960 67653 37074 48410 10335 16107 32041 37960 67653 37074 48410 10335 16108 37960 67653 37074 14999 21851 19983 21619 21851 19986 21851 19986 21851 19987 21851 19987 21851 19987 21851 21852 25555 25557 2557 257 2	Tated   Popu-   E	Tated   Popu-   Lation,   E   Tabel	Tated   Population   Record   Population   Population   Record   Population   Population   Record   Population   Populat	Tated   Popu-	Enume- rated Popu- lation, 1881.	Enumerated Population, 1881.    Column   Enume- rated Popu- lation, 1881.	Deaths of   Deat	Deaths of   Deaths for   Deaths for   Deaths for   Taked   Population   Beat   Take   Deaths for   Deaths for   Take   Deaths for   Deaths for   Take   Deaths for   Deaths fo	Deaths of   Deat	Deaths of     Deaths of   Deaths of   Deaths of     Deaths of   De	Doaths of   Doaths   Doath   Doaths   Doaths   Doaths   Doaths   Doaths   Doaths   Doaths	Table	Enumerated	Enumerated		

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the Table by so:-

Marylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum in Tostennam Court-road sub-district.
Holbora Infirmary in Upper Holloway sub-district.
Holbora Hornouse Hollowa Holl

Stepney Workhouse in Bromley sub-district.

Poplar & Stepney Sick Asyjum
Westmatter Bruin Industrial School in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmaty in Camberwell sub-district.

Metropoutan Asyjum District Hosmanian Fausan, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Darsford, Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

				Week	c endi	ng S	turd	ay, 3	0th N	Iarch	, 1889	9.						
Regis-		Area			1	1			The D	EATH	regist	ered la	a the	Week	include			
eration		in Aeres,	Enume-			Dea	ths of				Death	s from						
District	REGISTRATION	inclu-	rated	HS.	PHS.	m	900 des.	-	1	1.		ugh.		1	1	9.	Public	Causes
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS.	DEATHS	under of Age.	aged a	н		Fever.	ia.	8-60		1		Case		ied C
Num-	'	and Fore-	1881.	E		ar of	ons a	Small-pox.	sies.	let F	Diphtheria.	Whooping-cough	er.	Diarrhos	Violence.	Inquest Cases.	Deaths in	Uncertified of Determ
bers.		shore.				Infants	Persons Years &	Sma	Measies.	Searlet	Dip	Who	Fever.	Dia	Vio	lng	Dea	Col
LON	NDON-OUTER RING	370.924	950.957	920	400	9	110		13	3	6	7	1	1	14	25	53	4
20,	TOON — OUT DIE RING	010.024	9.00.957	320	400	-	110	-		-	-		-	-		,	-	-
80:1	Carshalton wL -	12228	21118	23	19	2	5	-	1	-	-	1			-	-	6	-
2	Epsom (part of)* WwH	9971	10710	5	1	1	-	~	•	-	-	-	-	-		-		
37:1	Godstone (part of) * -	2754	1235	2	2	1 .	-	***	-	-	-	-	-	-		-		
38:1	Croydon WwHHL - Mitcham w †	20851 11697	101241 17932	71 15	39 2	7	12	-		-		-	-		2	4	12	-
89:1	Wimbledon HHH -	8220	15950	18	5	1	1	~		-	-	-	-		-	-	1	-
2 8	Kingston WHH	8549 6601	36351	28	19	8	5	-	-	-	-	-	-		-	1	2	
4	Esher (part of) * - Hampton H	4573	9321 13539	10 8	5 4	2 -	1	-		-	-	-	-	1	-	-	-	-
40:1	Richmond WH	2272	21302	19	5	2	- 1	-	-	-	-	-		-	-	-	-	-
41:1	Mortlake	2941	12331	6	2	-	1	-	-	~	-	-		-	-	-	-	
2	Bromley (pt. of) * HH Chishrst(pt.of)* WHH	15669 14307	31142 15814	33 22	10	2 5	5	_	-	-	-	1 -	-	1	-	-	4	-
42:1	Bexley H	18437	24134	22	7	1	3	-	-	-	-	1	-	~	-	-	-	2
124:1	Dartford (Ww, pts. of)*	_	_	-	-	-	-	-	-	- 1	-	-	-	-	-	-	-	-
2	Sunbury w Staines W	11055 1827 <b>7</b>	11685 12089	2	3	1	1 1	-	-		-	-	-	-	-	-	-	-
125:1	Hillingdon WHH -	8029	10302	9	2	-	1	-	-	-	-	-	-	-	1	1	1	-
3	Uxbridge Hayes wHL	6178 14587	3225 11523	11	5	-	- 2	-	-	-	- {	-	-	-	-	-	- 9	-
126:1	Isleworth WHH -	7008	22727	14	12	8	2	_		_	_	_	_			3	3	-
2 3	Twickenham H-	2477	12479	G	6	1	-	-	1	-	-	-	-	-	-	-	1	-
4	Brentford HL Chiswick	4345 1340	27:49 15975	28 12	10	1 2	3		1	-	-	-			1	1	-	-
5	Acton wH	6082	22876	32	14	5	5	-	-	-	1	1	-	- 7	-		u - u	
127:1	Harrow H Edgware H	13809 6994	12798 3749	6	3	2	1	-	-	-	-	-	-	-	-	1	-	
3	Willesden	4388	27 453	45	13	8	1	-	-	-	-		-	-	1	1	-	-
187:1	Hendon W	8332	10484	20	10	3	1	-	-	1	1	-	-		-	-	1	-
2	Bushey Watford (W, pt. of)* -	9331	6621	2 -	-	-	-	-	-	-		-	-	-	- 1	- 1	-	-
128:1	South Mimms	15599	6891	1	4	2	-	-	-	-		-	-	-	1	1	-	-
3	Barnet Finchley HL	5433 4688	10092	9	6	1	- 8	-	-	-	-	-	-	-	-	-	2 5	-
185:1	Hatfield (part of) * -	3806	583	2	1		1	_							-		-	
129:1	Hornsey H	3039	37078	32	9	. 2	4	-	-		-	1	_	-	-			-
3	Tottenham $H$ Edmonton $Ww \ddagger$	4642 7453	46456 23463	72 32	25 13	9 2	8	-	-	-	1	1	-	~	2	3	9	-
4	Entield WH	12653	19104	18	13	1	5	-		-	-	-	-	-	1	1	1	-
6	Waltham Abbey Cheshunt	11017 8480	5363 778;	2 8	1 2	-	-	-	-	-	-	-	-	-	-	-	-	-
186:1	Stratford	882	38606	23	8	4			2				_					
2 3	West Ham wwwwH5 Leyton WwL	7351 4372	101053 3243)	131	49	11	12	-	3	-	2	1	1	-	2	3	-	
4	Walthamstow H -	6520	28869	37 31	17 14	2 8	6 5	-	. 1	-	-	-	-		1	1	4	2
187 : 1	Chigwell (part of) * H	11761	9633	7	7	1	2	-	3	1	_	-		-	-	-	1	-
189:1	Epping (W, pt. of)* - Romford (part of) * W	6730	3411	-		-	-	-	7	-	-	-	-	-	-	-	-	-
2	Ilford	8493	7845	6	8	1	1	-	-	-	-	-	-	41	1	1	. 7	-
3	Barking Town	4127	9203	10	7	2	2	-	-	1	1	-	-	-	-	-	-	-

<sup>•</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:

30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Brominey sub-district, except the parish of Cainam and sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 247); 13:1, the parish of Northaw in Hattleld also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum, Hospital, Winchmore Hill (see Table 5).

§ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 30th March, 1889.

-					L RATE			The DE	ATHS	regi	stered	in t	he W	eek i	nolude	8	
	GREATER	Area in Acres,	Estimated	of Mon per 1000	D living.	DEATHS	Deat	hs of			I	eath	s from	n			Public rous.
	LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœa.	Violence.	Deaths in Pu Institution
2 0	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	11.	15.	16.
ĢI	REATER LONDON	448,334	5,642,015	17.3	1.7	1876	410	470	-	69	14	24	58	9	10	66	407
	INNER LONDON -	77,410	4,351,738	17.7	1.8	1476	316	330	-	55	11	18	51	8	9	52	355
£	OUTER RING .	370,924	1,290,277	16°2	1.3	400	16	110	-	13	3	6	7	1	1	14	52

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is eq al to 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,564,302 Persons.

į							DE	ATHS		PRINC	s.	ZYMOI	
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETU. Week end		BIRTHS.	DEATHS. f Stillborn.	ANNUAL DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœal Diseases.
CALCUTTA -	- 433,219	November	24		-	-	-	-	-	-	-	-	-
BOMBAY .	- 773,196	March	5	306	407	23.2	11	25	5		5	139	21†
MADRAS -	- 398,777	February	15	255	359	46.7		22	?	?	9	82	78†
PARIS	- 2,260,945	March	23	1284	1160	26.7	6	46	3	45*	5	9	42
BRUSSELS -	471,606		23	265	213	23.2	-	3	1	3	1	1	13
(with 8 Faubourg:		"	16 23	272 271	176 174	22°9 22°6	-	7 6	-	3	3 1	4	-
ROTTERDAM	- 197,723 {	,,	16 23	136 142	97 90	25 '4 23 '6	-	2 2	_		2	_	2
THE HAGUE	153,440 {	39	16 23	123 114	57 53	19·3 17·9	-	1	-	-	1	-	2
COPENHAGEN	- 307,000		16	206	127	21.6	-		1	1	3	1	1 6
STOCKHOLM	- 221,549	,,	16	142	81	19.0	-	***	2	4*	2 2	_	2
CHRISTIANIA	- 135,600	"	23	87	72	27.6	-	2	2	5			
ST. PETERSBUE	842,883	99	16	-	562	34.8	-	1	8	4	2	9	70 46
BERLIE -	- 1,470,582	39	9	897	557	. 19*6	-	4	4 2	32 10*	8	5	10
HAMBURG(Sta	e) 550,694	10	16	432	278	26.3	-	1	1	7*	P	_	4
DEESDEN -	- 264,196	23	16	171	108	21.3	5	7		3*	1		8
BRESLAU .	313,451	33	23	222	163	27.2	, _	7	1	2*	_	1	11
MUNICH .	- 281,000	99	16	212	138	25.2		111	3	5	8	1	24
VIRRIA -	- 811,434	39 .	16	555	420 157	26.9	16		4	5*	-	2	12
PRAGUE -	304,856	33	16	- 044	272	31.2	-	1	2	2	1	6	16
BUDA-PESTH	- 452,907	39	16	344	90	29.6	-	-	-	2*	-	-	1
TRIESTE -	- 158,084	77 . 1	16	258	279	36.2	5	13	1	4	-	6‡	
Вомв -	401,044	February	28	194	190	28*3		-	1	3	2	2	8
TURIN (8 days)	3	March	9	75	100	34.0	3	1	-1	1	-	-	8
VENICE -	- 153,375	1)	16	97	105	35.7	2	1 3	1	1	5	20	101
CATRO -	374,838	99	7	392	342	47.6	4	6		1	1	9	52
ALEXANDRIA	231,396	22	7	241	205	46*2	1			50	24	2	15
NEW YORK	1,549,500	,,,	9	-	877	29.2	-	21	54	26	8	2	1
ROOKLYS	814,505	33	9	-	£98	25.2	-	13	8	8	2	21	1
PHILADRIPHI	1,040,245	3)	9	-	435	21.8	-		3	4	1	1	-
BALTIMORB	- 500,343	39	9		151	15.7	1						

<sup>Including deaths from croup.
Including 3 deaths from cholera in Bombay, and 9 in Madras.
Including 5 deaths from malarial fever.</sup> 

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OSSERVATORY, GREENWICH, during the Week ending Saturday, 30TH MARCH, 1889. [Under the Superintendence of the Astronomer Royal.]

																						_
1		Ozone.		4.0	3.0	0.5	8.0	0.0	0.0	0.0	1.1	27	ea; no	er, are ussion r, and	rimun he air squeed Lygro-	raphic	ement	i, and a the	S; and	t, show	sed to	
Rain	collected	Gauge	5 inches above the Ground.	in. 0.02	0.02	00.0	00.0	10.0	10.0	50.0	Sum 0.11	26	of the se	rmomet m a disci aromete mean re	eadings of the maxim temperature of the f humidity are dedu irs by Glaisher's Hys	photog	ing 1875. ates "higher," and	Deptford	Electrometer.	trument	eek to 28	
	-		Depar- ture from Average of 16 Years.	Miles. +289	+141	+101	T6 +	- 61	-129	18	Sum +400	25	an level o	oulb the uced from for the b orrected	ungs of mperatu aumidity by Glai	on of the	ending dicates	rket at ] nstructi	ng Elect derute;	tood as a	of the w	
		Robinson's.	Horizontal Movement to of the Air on each Day.	Miles.	442	401	394	238	170	263	Sum 2499	4.5	re the mer	the wet stions ded ding 1873	the corrected mean of the readings of the maximum the mean daily value of temperature of the air temperature and degree of humidity are deduced and wet bulb thermometers by Glassher's Hygree	discussion	na that of e 16 years that + in	Cattle Ma	Thomson's self-registering utive; w. weak; m. moder	kes Suns e unders	beginning on the 2	
ometers	-	0	Mean Not 24 cobs.	lbs.	9.0	2.0	0.1	0.0	0.0	0.0	:	23	et aboves sea lever	er, and correctars en	mean ily va and d	from a	for th mind	reign farket	n's sel	en-Sto	at the	
n Anem		Pressure on the Square Foot.	Least. h	10s. 1	0.0	0.0	0.0	0.0	0.0	0.0	:	55	159 fe luce to on; 3h	nomet tion of enty ye mome	rected san da rature et bul	erived	ecords records rne in	the Fe	homso nve; v	Campb ch day tions a	0.10in.	
sed from		Pressu	Great-	lbs. 1	0.5	8.9	6.1	1.3	0.0	57	:	21	neter is s to red M.: mod	b therrapplica	the corthern temperature w	that de	years enetric relations of the point of the	ies of erk of	rom T	n the	from 3(0°31 in	
Wind as deduced from Anemometers.	Oalorda	rection.	P.M.	WsW.	WSW. WNW.	S. N. W.	NNE.	W. & WSW.	N. & NN W.	W. & WSW	NNW.	50	of the barometer is 159 feet above the mean level of the sea; of the readings to reduce to sea level.  The means of the sea is the A.M.; noon; Sh. P.M. and Sh. P.M. The means of the sea is the A.M.; noon; Sh. P.M.; and Sh. P.M.	r, the dry bul alues by the nade during ing 1868 for t	is combined rs, forming y dew point s of the dry	of the air is	furing the 20 of the anemon and 25 it wil	or of the jetics of the Foreign Cattle Market at Deptical, of by the Clerk of the Market, under instructions from	is derived from Thomson's self-registering Electrometer. The positive; N. negative; v. weak; m. moderate; s. strong; and	ight sunshin teorological o	to midnight.	reek.
		General Direction.	A.M.	SW. & WSW.	WSW. &SW.	W. & NNW.	ż	N. R. SW.	WSW. &	WSW. & W.	WSW.	189	The height of the cistern of the barometer is 159 feet above to correction has been applied to the readings to reduce to sea level, charvations are usually taken at \$h. a.m.; noon; 3h. 3m.; and	eye-readings of the barometer, the dry buile thermometer, and the wet builb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1885 for the thermometers. With the corrected mean reading	of the dry bulb thermometer is combined the corrected mean of the rectings of the maximum and minimum thermometers, forming the mean daily value of the air elections 19. The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Ghasher's Hygro-	etrical Tables. The average temperature of the air is that derived from a discussion of the photographic	ecords made at Greenwich during the 20 years ending 1895, and take of norizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.  In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and in reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and — "lower," than the average.	The interproduction in the waref of the transfer as suspensed as we do below the surface, at the end of one of the jetties of the Foreign Cafelle Markes at Depticut, and their resultings are registered by the Clerk of the Market, under instructions from the contraction of the Market, under instructions from the	The record of Electricity symbols employed are: -P.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggreeach eduration of bright sunshine on each day.  The results of all the meteovological observations are to be understood as applying to the	civil day, or from midnight to midnight. The reading of the uncometer decreased from 30-10 in. at the beginning of the week to 29 7% in. The reading of the uncometer decreased from 30-10 in. at the begin; and decreased to 30 7% in. by 9h. A.M. on the 28th; and decreased to	end of the w
		Water hames tford.	Low-	9.84	43.7	6.55	43.1	45.2	44.2	44.8	44.3	18	ight of has b	ngs of into otograp	y bulb imum 8). Tl	Tables erage	from from ding the	ce, at tadings	scord c emplo	umbers egate d	or fro	by the
TEMPERATIRE	TATO TW	Of the Water of the Thames at Deptford.	High-	0.24	6.77	46.5	45.8	0.95	45.8	8.9%	45.8	17	The he	e-readi nverte the ph	of the dry bul and minimur (column 8).	metrical Tables.	cords n the air In read	The unie surfa	Corporation of The record symbols emplo v. variable.	The ni	vil day	9.79 in.
EMPER	THE PAR	Of Radiation.	Lowest on the Grass.	41.1	0.98	31.5	6.57	19.0	42.3	89.8	83.8	18	3			8			2 3.5	2	15 G	N
The same			High- est in Sun's Rays.	95.1	93.5	82.5	1.96	101.3	1.69	0.44	2.28	15		fine with	ne after- ght, then	afterwards.	evening;	cast aft	ry gloomy			
ionerane		Degree of Hu- midity	ration equals 100).	93	821	7.2	89	16	68	80	81	14	KS.	90 90	till nu	east aft	cloudy in	g; over	g. Very	at nigh		
in Lada	tween	oint are.	Least.	0.0	0.0	2.1	4.0	0.0	0.0	1.5	1.6	13	REMARKS.	in morning;	showery till afternoon; fine of cloud variable till night,	Partially cloudy in morning; overcast	ially ele	Cloudless and very fine in morning; overcast after, R.M. Occasional slight rain in evening.	rain in morning.	Gentle rain at night.		
Cree N	Difference between	and Dew Poin Temperature.	Great- est.	0 11.2	0.11	1.01	16.8	16.0	.s	8.6	6.11	12	AL R		ery till	mornin	g; part	fine in slight r	rain in			
anen			Mean daily value.	2.1	3.1	7.3	6.6	0.4	1.8	6.2	9.9	=	GENERAL	d show	show t of	ndy in	mornin ght.	d very	little .	overcast.		
ı		Of the Dew Point.	Mean daily value.	6.9	45.3	34.9	7.62	34.1	0.24	42.5	40.0	101	B	Overcast and showery variable amounts of cloud	Overcast and wards; amount cloudless.	ally elo	Overcast in morning; partially cloudless at night.	dless ar	Overcast. A	Generally c		
	E.		De- parture from average of 0 years.	0.4	1.9 +	₹.0 -	8.8	61	+ 6.3	+ 3.8	+ 2.2	6.		Over	Overcas wards; a cloudless.	Parti	Over	Cloudle 8h. P.M.	Over	Gen		1
	RATUR	£.	Mean daily value.	49.0	0.67	45.5	39.68	1.1	20.1	48.1	45.6	00	above rizon, noure.	12.4	12.4	12.2	12.6	13.6	12.1	12.8	88.0	80
	TEMPERATUR	Of the Air.	Daily Range.	0.21	16.0	6.8	15.6	27.7	15.5	11.2	16.0	1	Registered Sun above. Sunshine, Horizon, in hours. in hours.									
I			Low-	0.	0.84	38.7	53.4	5.97	42.6	42.6	38.6	19	Registe Sunshi	1.0	1.3	1.8	5.7	9	0.0	1.0	Sum 14.8	58
			High-	0.09	59.0	9.14	49.0	54.3	1.82	1.39	54.6	100	. of (-0,				nudez					
	METER.	-	rected and reduced to 320 Fahren.			29.809	30.156	30.271	30.142	59.306	30.016	7	ELECTRICITY. (For exelanation of symbols, see Note.)				42					28
		Phases	Moon.	Last Qr.	Dec. 5.		:	:	:	:	:	000	(For symth		.,		Instrumer adjustinent.			-		
			Q.	124		26	27	58	29	30		1:		24	25	26	27	00 04	62	80		
		1889.	Month and Day.	MARCH.	Mow.	TURS.	WED.	THURS.	FRI	SAT.	MEANS	No. of Col.	DATE.	SUNDAY	MONDAY .	FUESDAY .	VEDNESDAY	TRUBSDAY .	FRIDAY .	SATUEDAY.		No. of Col.

### OFFICIAL COPY.

### WEEKLY RETURN

#### LONDON BIRTHS AND DEATHS IN

AND IN

#### TWENTY-SEVEN OTHER GREAT TOWNS.

## By Authority of the Registrar General.

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No. 14. 1889. Vol. L.]

WEEK ENDING SATURDAY, APRIL 6.

Price  $1\frac{1}{2}d$ .

## General Register Office, Somerset House, 8th April, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20.3 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks,	ending	200				Weeks	ending	
Towns.	Mar. 16.	Mar. 23.	Mar. 30.	Apr. 6.	Towns.	,	Mar. 16.			Apr. 6.
Birkenhead	20.4	18.8	15.8	17.8	Liverpool -	-	23.1	24.2	22.7	19.9
Birmingham	18.4	20.1	21.2	21.5	London -	-	19.7	18.6	17.7	18.8
Blackburn -	33.1			30.6	Manchester				30.3	
Bolton -	30.5	26.4	26.8	25.9	Newcastle-on-Tyr	ıe*	23.3	19.4	24.0	20.7
Bradford* -	20.4	19.1	22.4	20.9		-	25.4	19.3	19.3	19.3
Brighton -	19.3	15.0	17.6	12.9	Nottingham	-	19.5	20.4	18.9	17.8
Bristol -	23.0	18.7	19.6	19.3	Oldham -	-	16.9	21.6	25.7	26.4
Cardiff* -	17.1	23.1	19.4	19.0	Plymouth -	-	21.3	23.3	27.4	18.0
Derby -	17.5	17.5	12.7	21.2	Portsmouth	-			17.4	
Halifax -				17.4		-			28.0	
Huddersfield	24.7	19.7	21.4	21.4	Salford* -	-	23.8	22.3	20.3	20.7
Hull			19.3		Sheffield -	•	24.9	23.9	21.8	25.0
Leeds -				23.9	Sunderland				19.8	
Leicester* -				17.3	Wolverhampton	•	23.4	18.3	19.6	22.8

The highest annual death-rates, measured by last week's mortality, were:from measles, 1.6 in Bristol, 1.7 in Norwich, 1.9 in Manchester, 2.5 in Preston, 3.4 in Blackburn, and 6.4 in Bolton; from scarlet fever, 1.1 in Oldham, 1.3 in Blackburn, and 1.6 in Sheffield; from whooping-cough, 1.3 in Birmingham, Nottingham, Wolverhampton, and Plymouth, 1.4 in Bolton, 1.8 in Oldham and in Bradford, and 3.5 in Preston; and from "fever," 1.0 in Preston. The 47 deaths from diphtheria in these towns included 26 in London, 4 in Salford, 3 in Manchester, 3 in Liverpool, and 2 in Sunderland. Small-pox caused no death in any of the twenty-eight great towns.

LONDON.

In LONDON 2676 BIRTHS and 1572 DEATHS were registered. Allowing for increase of population, the births were 222, and the deaths 251, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19.7, 18.6, and 17.7 in the three preceding weeks, rose again last week to 18.8. During the thirteen weeks of last quarter the death-rate was 19.5 per 1000, and was 3.9 per 1,000 below the mean rate in the corresponding periods of the ten years 1879-88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated,

A 58256.-1. 610.-4/89. Wt. 14.

The 1572 deaths included 74 from measles, 15 from scarlet fever, 26 from diphtheria, 49 from whooping-cough, 9 from enteric fever, 17 from diarrhea and dysentery, and not one from small-pox, typhus, ill-defined forms of fever, or cholera; thus, 190 deaths were referred to these diseases, being 36 below the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 18; one small-pox patient was under treatment at the end of the week in the Metropolitan Asylum Hospitals, and not one in the Highgate Small pox Hospital. The deaths from measles, which had been 84 and 56 in the two preceding weeks, rose again last week to 74, and exceeded the corrected average by 20; 4 belonged to Fulham, 9 to Islington, 9 to Newington, 6 to Camberwell, 8 to Greenwich, and 6 to Plumstead sanitary areas. The fatal cases of scarlet fever, which had been but 6 and 11 in the two previous weeks, further rose last week to 15, but were 6 below the corrected average; 2 belonged to Shoreditch and 4 to Lambeth sanitary areas. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 580 scarlet fever patients, against numbers ranging in the preceding twenty weeks between 980 and 569; 47 cases were admitted to these hospitals during the week, against 58 and 41 in the two previous weeks. The deaths from diphtheria, which had been 31, 23, and 18 in the three preceding weeks, rose again last week to 26, and exceeded the corrected average by 10; 2 belonged to, Paddington, 2 to Kensington, 2 to Hammersmith, 2 to Marylebone, 4 to Islington, and 2 to Hackney sanitary areas. The fatal cases of whooping-cough, which had increased in the four previous weeks, from 29 to 51, declined again last week to 49, and were 36 below the corrected average; 3 belonged to Hampstead, 4 to Pancras, 4 to Islington, 3 to Bermondsey, and 6 to Camberwell sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 18 and 9 in the two previous weeks, rose again last week to 17, and exceeded the corrected average by  $\overline{2}$ .

The deaths referred to enteric fever, which had been 4 and 8 in the two preceding weeks, further rose last week to 9, but were 3 below the corrected average. The death of an infant aged 19 months in St. George's, Southwark, was indefinitely referred to "infantile remittent fever." The Metropolitan Asylum Hospitals contained 40 cases of enteric fever and 2 of typhus on Saturday last; 2 cases of enteric fever were admitted during the week, against 3 and 1 in the

two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had declined in the four preceding weeks from 402 to 332, rose again last week to 364, but

were 110 below the corrected average.

Different forms of violence caused 69 deaths; 58 were the result of negligence or accident, among which were 18 from fractures and contusions, 9 from burns and scalds, 9 from drowning, and 15 of infants under one year of age from suffocation. The 18 deaths from fractures and contusions were thus caused:-- 6 by accidents from vehicles in the street; 4 by fall down stairs or steps; 1 by fall from scaffold; 1 by fall from window; 5 by falls in street or otherwise; and 1 by injury from machinery. An inquest was held in each of these 18 cases. Ten cases of suicide were registered, the corrected average being 7.

### GREATER LONDON.

In Greater London 3554 births and 1896 deaths were registered, corresponding to annual rates of 32.9 and 17.5 per 1000 of the estimated population. In the Outer Ring 8 deaths from whooping-cough, 4 from measles, and 4 from diphtheria were registered.

## METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.49 ins.; the highest reading was 29.81 ins. on Monday morning, and the lowest 29.02 ins. on Thursday afternoon. The mean temperature of the air was 43°.5, and 2°.5 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, the coldest day being Wednesday, when the mean fell to 39°.6, and was 6°.5 below the average. The direction of the wind was variable, and the horizontal content of the sin averaged 11.1 miles per hour, which was 122 miles below the average. movement of the air averaged 11.1 miles per hour, which was 1.2 miles below the average in the corresponding weeks of 16 years. Rain fell on four days of the week, to the aggregate amount of 0.27 of an inch. The duration of registered bright sunshine in the week was 21.3 hours, against 26.1 hours at Glynde Place, Lewes.

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	CITTES	CILLES	BOROUGHS.		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	Norwich.	PLYMOUTH.	BRISTOL.	WOLVERHAMPTON	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	DOLLON.	MANCHESTER.	OLDHAM.	BLACKBURK.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	HTTT	SUNDERLAND.	NEWCASTLE.	CARDIFF.		EDINBURGH.	GLASGOW.	DUBLIE.	
-	ALL.	-	Centi-	ul	24.	1.83	69.0	1.57		06.1	1.68	1.30	8	1	1.55	1		76.7		,	1 6	\$	1	1	ı	\$1.2	ı	3 000	00 1	09.1	1		1.70	46.0	£1.0	ı
	RAINFALL	-	nohes.	ıı uı	23.	0.72	12.0	0.62	1 1	0.75	99.0	0.12	1	1	19.0	1	8 1	1.12	1	1	1 1		8	1	1	1.08	1	1 1	71.0	0.63	3 1		19.0	0.38	67.0	۱
AIR.	1	ė	.9bs18	Centi	22.	2.20	68.9	19.9	1 1	7.44	6.17	4.20	1	ı	5.28	ı	1	2.55	,		8 1		1		2	2.53	1	1 00	27.78	4.79	7		4.72	2.55	6.72	١
TEMPERATURE OF THE AIR.	Mos	Mean	·tieda:	Fahre	21.	41.9	_	42.1	1 1	45.4		1.07	1 2	8	41.5	1	1	4.1.4	1	1	1 1		1	1	1	41.4	1	1 1	20.2	1 00	c 04	1	40.5	F.14	44.1	ı
ATUBE	=	.18	Lowe	aeit.	20.	30.0		35.5	1 1	0.28		0.78	ı	1	33.6	1	1	34.2	1	1	1	1 1	1	1	1	35.6	1		3	0000	0.00	1	32.8	35.0	37.0	۱
EMPER.	-	.189	dgiH	Fahrenheit	19.	58.8 3	56.1 3	52.0 3	1 1	000		8 9.79	1	1	55.6 3	1		50.9	1	,	1	1 1		1	1	53.0 8	1	-	54.0 5		0.00	1	55.00		53.8	۱
	ding	aths	ni ses in 6-12.	Dises.	18.	2.5	-	-	G. T	_		8.5	2.2	2.0	-	0.2	-		9.6	2.0	7 7	H 10	0.8	9.0	9.0	2.4	3.1	_	-	_	9.1	0.0	1.5		0.1	١
Annual h	corresponding to the	eek'sDe	.asau	18U	17.	20.3			16.3			8.73	21.2	17.3	8.41	21.5	17.8		20.2		20.7	80.08	30.0	7.13	17.4	6.03	6.83	25.0	18.1	18.3	2.07	0.61	17.8	28.9	25.7	۱
4	ပိ	eat	(I to as	Sus	16.	82 28		2 1		1	4	<u>।</u>	62	1	4 1	ा	-	9 1	1	-	40		-		60		63	7	4	-	57 ,	1		32		١
	-		i adtas Public Citutio Aitutio		15.	593 8	340 1	10 1	o 4	R	120	93	36	90	00	9	10	43	1	40	14	1 0	OT	1 1	П	10	18	0	00	on :	20 0	20		89		1
			est Cai	- 1	14.	256 5	30	1 0	24 4	H p-	4 00	1	17	1,0	4	6.2	00	12	48	61	. er		l r	-	-	4	18	40	-	-	20 1	-	0	. 0.	70	۱
90	-	Ī	Violence.		13.	135	69	1 (	27 1	ı	H	1	2	-	67	1	67	13	23	12	4	-	1 1	-	H	67	00	6.1	1	m	4	1	0	9	43	
obilian Wook include	4	=	· 850 d7	Traid	12.	48	17	1	-		-	63	9	1	67	1	ı	63	2	63	1	1 (	27 1	-( )	1	C.	1 00	r-i	8	1	ı	1	-	4	1	İ
W oo		-	٠.	Fere	11:	21	6	1	1	1 1	61	1	1	ı	-	1	i	H	1	1		1 +	- G	1 1	1	1	-	7	1	1	1	1	,		63	
J in th	from	TOT	gping-	noo	10.	125	49	67	67 r	10	3 11	67	77	-	9	1	г	6	က	H	pol	20	p={ 1	- 1		ot	0 00	-	ped	67	00	61	,	9 65	63	
	Deaths from	SHUBB	.sirədi		9.	47	26	1	H	ı	1 1	1	-	4 -	1	ı	1	00	Н	တ	4		1	1			-	-	H	67	1	1		1 %	, ,	
	THS FE	١.	.19.	Scarle	oo .	48	101	ı	4 1			ı	c.	3 1	1	بـ	1	4	1	H	Н	00	co 1	۱ ا	1 1		6	10	1	-	1	1		1 -	1	
	e DEA			Measl	7.	175	74	1	1 :	20	1 1		6	3 1	-1	-1	m	15	14	14	4	00	00	1 0			- a	0.00	. es	ě	2-4	1		1 %	67	
	d l	1	•xod-	Ilam8	6.	1	1	1	1	1	1 1	1		1		-		1	1	1	1	1	1	1	1 1		1 1	1	1	1	1	1	-	1 1	ı	
	17	s of	ns aged ears wards.	dn pus	5.	847	282	60	13	12	0 5	12	1	10	286	3 5	10	34	70	40	15	12	11	10	77	• 6	20	30	19	15	13	9	П	26	\$ \$	
	1	Deatl		I Yea	4.	903	968	7	10	10	4 0	12		46	17	3 1 25	1 1	20	15	46	21	22	12	16	L- 1	9	24	24 2	20	7	17	14		17	25	
-	uring	_	_	DEATES.	20	3712	0425	30	44	35	27	38	1	187	ng Fo	10	) 10 H 01	931	57	606	93	72	7.1	09	00 E	7 - 1	94	187	72	47	64	41		16	174	
TABLE -	Registered during	oth Apr 1880	- Lapie	BIRTHS, DE	c:	5813		20702	105	49	35	120		265	90	194	100 PG	814	70	076	147	88	96	82	45	# :	109	102	137	06	108	06		141	144	
1	Reg	N the			-	-	-		- 60	0	10		31	20		27 0	20 -	70	10		000	20	10	4	10 0	2	99	2 1	- 4		88	27	1	0:	# 03	i
		POPULATION the Week ending	to the middle of the Year	1889.	1-	0 888 408	2,000,0	4,351,738	141,253	94,510	78,225	229,361	##C'20	454,835	150,520	237,812	100,029	202,0±1	114.670	008 848	934.983	142,405	121,275	104,194	92,825	OCT, USO	285,056	466 468	208.017	184,193	160,983	112,712	-	266,900	353,082	
		PC			Cols.		•			•		0 %	40	•			4		,	-	•	•	•	•					•	•			-	•		
		GUITHIO	AND RORUGHS.		Co		28 TOWNS	LONDON	BEIGHTON .	NORWICH .	PLYMOUTH .	BRISTOL	WOLVERHAMFIUM	BIRMINGHAM	LEICESTER *	NOTTINGHAM .	DERBY -	BIRKENHEAD	ROLTON .	ognounday. M	SALFORD*	OLDHAM .	BLACKBURN .	PRESTON .	HUDDERSFIELD	HALIFAA	BRADFORD.	SHEFFIELD .	HULL .	SUNDEBLAND	NEWCASTLE*	CARDIPP* .		EDINBURGH .	DUBLIN	

Table 2. LONDON.—Births and Deaths Registered in the Fourteenth Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1858	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males  Females .	2610	2956	2612	2458	2928	2711	2473	2700	2538	2588	2897·8	2676
	1309	1533	1318	1217	1490	1377	1223	1378	1310	1305	1467·8	1408
	1301	1423	1294	1241	1438	1334	1250	1322	1228	1283	1430·0	1268
Total Deaths Males Females .	1958	1532	1532	1596	1940	1689	1859	1578	1437	1593	1822·6	1572
	987	802	792	828	1008	845	971	780	752	841	933·5	807
	971	730	740	768	932	814	888	798	685	752	884·1	765

<sup>\*</sup>The numbers in this column are the average weekly numbers in the fourteenth weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WERES

TABLE 3. LONDONI	SIRTH	s, DE.	ATHS,	and .	METE	OROLO	GY i	n the	Last	THIR	TEEN	WEE	KS.
134	Jan. 12.	Jan. 19.	Jan. 26.	Feb.	Feb.	Feb. 16.	Feb. 23.	Mar. 2.	Mar. 9.	Mar. 16.	Mar. 23.	Mar. 30.	Apr.
TOTAL Births	2668	2837	2599	2662	2772	2511	2695	2609	2698	2699	2670	2808	2676
TOTAL Deaths	2075	1769	1620	1570	1460	1516	1567	1472	1637	1638	1554	1476	1572
Ages at 20-40 years - 20-40 , - 40-60 , - 60-80 , - at 80 years & upwds.	850 218 383 506 118	776 197 288 428 80	709 162 280 394 75	714 158 270 338 90	650 181 243 313 73	655 182 279 322 78	666 202 278 337 84	681 153 254 314 70	695 175 309 391 67	719 188 298 357 76	666 165 274 366 83	642 200 274 287 73	729 175 287 305 76
$\begin{cases} \text{Under 1 year} & -1 \\ 1-5 \\ 5-20 & -1 \end{cases}$	373 370 107	373 315 88	325 281 103	370 250 94	324 233 93	326 247 82	344 238 84	349 257 75	322 277 96	362 249 108	317 276 73	316 242 84	368 261 100
Deaths from Small-pox  "" Measles	176 177 21 37 -10 1 12 1 275 652 187	121 19 38 36 -7 - 11 - 232 492 136	-83 20 33 24 -10 1 24 - 195 456 152	71 11 38 38 -10 1 13 - 182 409 138	56 12 24 33 - 5 - 18 - 148 340 140	138 139 143 143 143 143 158	70 14 27 31 1 8 - 16 - 167 362 156	-67 12 25 31 1 6 - 18 - 160 362 127	76 16 20 29 - 4 3 15 - 163 402 161	-60 166 31 37 -6 -14 2 166 396	-84 66 23 42 -4 -18 -177 378	-56 11 18 51 -8 -9 - 153	74 15 26 49 - 9 - 17 - 190 364 170
", ", Dis. of Circula- tory System \} Violent Deaths	195 58 143 398	155 63 121 386	141 50 102 401	142 55 104	132 49 91	120 44 98	130 65 114	116 57 118	150 52 114	157 63 127	127 53 111	153 52 125	146 69 130
Deaths in Public Institutions TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	35·3 39·7 30·9	37·8 41·0 34·0	38·5 43·3 33·6	382 43·1 49·4 36·5	314 35·6 41·9 30·2	375 34·3 40·9 27·1	353 41·4 47·3 36·2	353 32·8 37·7 29·8	395 37·4 46·3 28·9	378 38.8 46.8 31.2	365 42·5 50·3 35·7	354 45°6 54°6 38°6	340 43.5 51.8 37.4
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	98 0·49 2·7	87 0·02 1·5	93 0·15 5·3	88 0·22 13·0	81 0·80 7·4	84 1·19 8·7	81 0·05 14·9	83 0·13 7·6	75 0·54 26·0	80 0·04 14·8	80 0·53 18·4	81 0·11 14·3	78
									200	17 0	10.4	14.3	21.3

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R. S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., Ll.D., Plymouth: R. C. Cam Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Aithur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., M.R.C.S., Preston; J. Mclandsborough, Esq., Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different CAUSES in the FOURTEENTH Week of the Year 1889.

				T.	JUK	TEE	NTH	VV	eek	of the Year 1889.									
	years	9	In	the V	Veek 8th A	end April	ing 1889.		11		to years		Ir			ek er Apri			
			De	athso	of Pe	rson (68	s of			•	10 to y		De	aths	of P	ersor	as of		
	verages s of the 10 79-88.		U	nder	1	40.	60.	80.		CAUSES OF DEATH.	Averages xs of the 10 1879-88.*	1	U	nde	.	40.	60.	80.	Di Di
AUSES OF DEATH.	138 A	E3.		20.		under	under	TR IN	d8.	OROBES OF BEATS.		92 (a)	-	20.		under 40	under	er	is and
	Corrected 14th Wee	AGES.				and u	and u	and u	upwards.		25	AGES.			20.	and u	and u	and u	1 ears
	Corre 14th	ALL	0-1.	1-5.	5-20	20 8	40 B	60 a	m		Correct 14th	ALL	0-1	1-6.	9-9	20 8	40 a		36
ALL CAUSES	1822.6	1572	368	261 1	100	175	287 3	305 7	6	Diseases of Organs of )									
			_	-	-	-		-	-11	Special Sense †	2.7	1	Ŀ	1	_	_	_	-	_
Small- Vaccinated; -	$_{18\cdot 2}$	-	-	-	-	-	-	-	-	Diseases of Circulatory	123.3	146	1	~	6	17	47	66	9
No Statement	) (	7±	75	49	-	-	-	-	-	System 5				-	-	-			
Measles	53.9 21.3	15	15	11	10 3	-	-	-	-	Croup Bronchitts	16.8 285 0	11 216	43	41	2	6	32	61	23
Typhus	0.7	-		-	-	-	-	-	-	Pneumonia Pleurisy	121'5	105	27	33	5 1	15	13	9	3
Relapsing Fever't	0.0	-		-	-	-	-	-		Other Diseases of Respi- ratory System}	42.9	28	6	5	3	1	5	7	1
Influenza Whooping-cough	0°2 85°4	49	22	26	1	-	-	-				-		-		-	-	-	
Diphtheria	16.1	26	1	13	10	2	-	-	-	Dentition † Quinsy, Sore Throat † -	20.1	16	11	5 -	ī	-	-	-	-
Simple Continued and )	3.3	-	-	-	-	-	-	-	-	Enteritis Peritonitis	6.0	5	3	1 -	-	3	1	S 1 5	-1
Ill-defined Fever - 5 Enteric Fever	11.9	9	-	2	4	3	-	-	-	Diseases of Liver Other Diseases of )	32.4	22 30	8	1 2	3	1 2	10	6	3:
Cholera	0.8	17	10	3	-	-	-	-	-	Digestive System -}	0/1	-	_				_	-	
Diarrhœa, Dysentery - Remittent Fevert	14°6 0°5	17	10	1	-	1	-	8	-	Diseases of Lymphatic)			١.					١,	11.0
Hydrophobia	0.1	-	-	-	-	-	-	-	-	System & of Ductless {	2.1	2	1	-	1 -	) -		1	-
Glanders	0.1	-	-	-	-	-	-	-	-			-	-	-	-			-	
Cowpox and Effects of \ Vaccination † }	0.0	-	-	-		-	-	-	-	Diseases of Urinary System }	37.8	85	-	-	2	6	12	15	-
Venereal Affections -	11.8	13	7	1	-	-	2	3	-			-	-		-			-	
Erysipelas Pyæmia and Septicæmia	3.4	1 7	1	-	-	1	-	2	-	Diseases of Generative	6 7	6	-	-	-	5	1	-	-
Puerperal Fever	6.9	8	-		1	2	-	-	-	Accidents of Childbirth	4.5	1	-	-	-	1	-	-	-
Other Zymotic Diseases	1.2	1-		-	_	-	-	-	-	Diseases of Locomotive	0.0	6			3	1	1	1	
Thrush	1.2	1	1	-	-		-	_	L	System †	8.3	-	-			-	-	-	-
Worms and other Para-	1		-	-	-	-	-	_		Diseases of Integumen-	7.0	8	3						_
sitical Diseases	1	-	-	-	-	-	-			tary System	5.6	-				-	-	-	-
Starvation, Want of	1'8	1 -	-	-	-		-	-	_			1				1		1	
Breast-milk †	4.2	4	١.	_	-	2	1	1	_	VIOLENT DEATHS.		1							
					-	-	-	-	-	ACCIDENT.)	21.8	18	1 -		. 3	5 5			1
Rheumatic Fever, Rheumatism of Heart†	7.3	8	1 -	-	4	2	1	1	-	Fracture and Contusion Gunshot Wound	0.1	1.			-   -	. 1			
Rheumatism † -	2 1	1		-	-	-	-	1	-	Cut, Stab Burn and Scald	7'1	9	2		4 3				-
Gout	3.9	6	_	1 -	-	-	3	3	-	Drowning	16.9	9	12	3	- 1		3 3	3   5	2 -
Rickets †	49.0	63	_	2	1	3	29	28	3	Suffocation Otherwise	3.5	3	1 2					1	
Tabes Mesenterica	25.6	24	_	3	3			-	-				1						
Tubercular Meningitis		14		6 6			-	-	-	(Homicide.) Murder & Manslaughter	1.9	1			-	_	1	-	
Phthisis Scrofula, Tuberculosis	187'2	170		5 3	_	_		8	-	Durder & Mansiaughter		-		- -		-	-	- -	-
Other Constitutional	10.8	_				- 2		8	-	(SUICIDE.)									
Diseases †	5	-		-	-	-	-		-	Gunshot Wound -	- 1·1 - 0·7	2 2		-			1		1 -
Premature Birth -	- 85.1			7 -				-	-		- 1.9	8			-	-	-	1	
Atelectasis +	- 8:7	_	3	3 .	-	-   -	-	-	-	Hanging Otherwise	- 1.8	1		-	-	-	-	1 -	1 -
Congenital Malforma-	-3		5	5 .	-	-   -	-	-	-			-	- -	- -	- -	-   -		-   -	
Old Age	- 62	4	3	-		-		19	29	(EXECUTION.)									
Apoplexy	_ 47*	4 4	4	-	-	1	2 17	21	. 8	11	- 0.0	-	-	-	-	-	-	-	
Epilepsy	- 6.	0	7		-	- {	4 8		-	11			1		-				
Convulsions Other Diseases of Brai	- 57	_			1	-	-   -	-		OTHER CAUSES ! -	- 60°7	5	3 4	16	2	-	1	3	1 -
and Nervous System	n } 101·	9 8	60	12 2	21	6	6 1	2 2	1 2			1			1	1		1	
			-		-					ton Beers 1879-88 raised by	0.040	cent t	for in	eres	88 L f	por	u'ati	oa.	

A 58256.-1.

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9.046 per cent. for increase of population.

As the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

As the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated," which are so certified by registered medical men. When medical attendant does not certify that the descased has, or has not, been vaccinated, or when the cause of death is not certified by a registered etitioner, the case is returned under the heading "no statement."

The evidence at inquest is often insultinent to enable the Coroner to certify whether a violent death be the result of accident, murder, inslaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLING during the Week ending

TABLE 6. DONDON 101001													_			v een	· · ·	
		1					The	DEA'	THS T	egiste	red i	n the	Wee	kinel	ada			
	Enume-			Deat	hs o					Death	s fro	m					ito	80
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881.	Total BIRTHS	Total DEATH.	Infants under 1 Year of Age.	Persons aged 60 Years & upwde	Small-pox.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterie (or Pyphoid) Fever.	Simple con-	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Cause
LONDON	3,815,704	2676	1572	368	381	-	74	15	26	49	-	9	-	17	69	130	340	1
West Districts	669,688 905,947 282,238 692,738 1,265,148	394 600 171 509 1002	271 341 108 291 558	54 78 26 70 140	73 91 26 70 121		9 17 1 5 42 -	2 2 1 3 7	5 11 3 - 7	7 14 2 2 21		4 - 2 3 -	-	3 1 - 7 6 -	11 11 6 17 24 -	21 25 10 37 87 -	75 e9 87 61 93	1 1 - 12 -
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	59888 37380	45	30 12	5	6 2	-	-	=	2	1 -	-	=	-	1	1 2	3	6 21	
Kensington Town Wio - W.M. & C.	120141 43010	68 12	41 13	5 2	17 8	-	-	-	1	-	-	=	-	-	=	1	21	-
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J Fulham Weow - W.M. & C.	7599 64340 42900	4 55 66	32 30	8 7	2 8 5	-	- 4	2	1 -	2	-	=	=	1	4	5 -	8	1
Chelsea North-west WHHHHH. C.	0396 24925	15 20	18	4 3	5 4	=	2 -	-	-	1 -	-	=	1 -	=	2 -	2 2	7	1
May Fair WW G.J.	32897 80353	30	14	2 4	3	-	-	=	1	1 1	-	-	-	-	-	2	3 10	1
Reigrave WHHH- St. John Westminster HHH - C. St. Margarei Westminster H - C. St. James Westminster WHH N.R.&G.J	59220 35496 24679 29941	22 20 8 7	24 7 11 8	1 1	6 3	-	1	-	1 1 1	-	-		-	- - 1	-	1	3 2	1
St. Anne Soho HHHHHHHH - N R. NORTH DISTRICTS.	18608	3	7	6	1	-		-			-	-	-					1
All Souls Marylebone HHHHH - W.M. Cavendish Square HHHH - W.M. Restory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christohurch Marylebone HH - W.M. St. John Marylebone H - W.M. Hammstead Www.HHHH N.R. & W.M.	24809 21118 83700 33633 45452	8 3 9 32 18 7 37	12 2 2 5 4 3 23	3 - 1 3 2 6 2	1 1 1 3 - 4 2		2	111111	2	3 -	1111111	1		1111111	1	3 4	5	
Regent's Park Paneras   H - W.M.	34369 17811 87487	13 16 21 19 63	20 7 16 10 37	4 1 7 2 8	3 7 10		2		1	1 2		1 1 -		1	1 1 2	2 2 -	12 2 - 8 5 22	
Upper Holloway \( \begin{align*} \begin{align*} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	100976 61895 52048	61 82 45 33 16	56 33 21 12	11 9 6 1	18 7 4 1 6		3 4 1 1 2	1 1	2 - 2	1 2 1 -		1	-		3 2 -	3 3 -	1	
Stamford Hill  West Hackney H  Hackney Wursuh  South Hackney - E.L. & N. I	9277 37610 76911	16 55 23	15 30 1	7 5	6 9 4		1 -	-	1 1 -	ī 1			-	-	1	2 -	1 8 -	
CENTRAL DISTRICTS.  St. George Bloomsbury - N.R. St. Giles North N.R. N.R.	16881	6	1 9	- 4	1 1	1	-	-	-	-	-	-	-	-	-	-	- 2	
St. Martin-in-the-Fields HH N.R. & C St. Mary-le-Strand H N.R St. Clement Danes H N.R Strand Union Workhouse, Edmonton w.	17508 7515 8559	13 2 4 5 6	8 2 6 8	2 - 1 -	1 1 1 3			11111		1 -		1 1 1 1 1	11111	1111	1 1	1 2 1	3 - 4 3	-
St. Geothe-Martyr HHHIHHH N. N. R. Salfron Hill	10706 6533 17516 19281 14773 17506 11541 18628 9217 7468	3 9 11 10 17 11 26 6 5	1 1	234-21-5	1 1 1	111111	-	1	1	1				111111111	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6	
St. Botolph H Crippigate - N.I St. Sepulcitre H - N.I St. Bride W - N.I Allhallows Barking N.I Broad Street H - N.I	\$. 7193 \$. 5358 \$. 8396 \$. 13666	4 4 3 4 4 4 4	17		8		-	-	2 -	11111	-		11111	:	1	2 -	17	

NOTE.—The Italic letters placed against the names of the aud-districts denote Public Institutions situated therein, namely: W-Workhouse Establianment receiving inmates from other Districts than that in which it stands see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signification company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. Now River; E.L. East London and K. the Kent Company.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

turday, the 6th April, 1889.														_				_
				_			The	DEA	THS T	egiste	red in	the	Week	incl	ude		:	_1
	Enume-			Death					I	Death	s fron						21	99
REGISTRATION SUB-DISTRICTS.	Population, 1881.	Total BIRTHS.	Total DEATHS.	Age	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Soarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enterio (or Typhoid) Fever	simple con-	Diarrhes.	Violence.	Inquest Cases.	Deaths in Publi	Uncertified Causes of Death.
EAST DISTRICTS.  [olywell Shoreditch - N.R. & E.L.  L. Leonard Shoreditch - N.R.  oxton New Town w - N.R.  loxton Old Town - N.R.  aggerston WH - N.R. & E.L.	7376 14967 29937 28036 46275	3 6 25 25 42	1 6 16 13 24	- 2 7	3 7 2 7	11111	11111	2 -	11111	11111	11111	11111	11111	11111	2	1 2 2	- 2 6 7	11111
lackney-road H E.L. reen, Bethnal Green WHL* - E.L. burch, Bethnal Green E.L. own, Bethnal Green - E.L.	29738 47932 29981 19310	80 84 24 11	18 25 4 4	5 2 -	2 8 - 3	1111	1111	1111	1111	- 1	1111	1 1 1 1	1111	1	2	1 2 -	10	1111
pitalfields E.L. & N.R. file End New Town # - E.L. & N.R. Vhitechapel Church # E.L. & N.R. loodman's Fields E.L. lidgate E.L. N.R. & E.L.	22585 15478 17490 9713 6102	5 14 14 4 4	3 7 16 4 1	1 3 1 -	1 2 2 1	11111	1 -	11111	11111	11111	1111	11111	1111	1 -	1	1 2 -	5 10 -	11111
t. George's North t. John, St. George East W - E.L.	88747 8410	38	17 9	5 2	2	-	-	-		-	-	-		1 -	-	3 -	6	-
hadwell HH - E.L. N.R. Rateliff - E.L. E.L.	10395 16107 32041	4 14 23	5 8 11	1 1 8	1 2 2	-		ī		1.1.1				-	1 2 -	2 -	2 -	1 1 1
file End Old Town West E.L. File End Old Town East WwwH- E.L.	37960 67653	53 58	13 27	3 9	8	H	3	-	-	_	-	ī	-	2	1	3	4	
Bromley wwwH E.L. Poplar WWH E.L.	37074 64359 55077	25 44 81	16 28 20	8 5 4	3 6 7	-	-	-	1.1.1	- 1		1	-		3 3	5 1 4	101	111
SOUTH DISTRICTS.	14999 21881 15953 21318 26672 59555	9 13 19 13 14 19 35 22	8 11 8 8 11 27 11	1 3 3 3 3 6 6 3	1 2 1 7 -	1111111	3 - 1 6 2	- 1	1	1 - 1 1	1111111	1111121	1111111	1	1	1 1 - 1		2 1
St. Olave WH S. Leather Market S. & L. St. Mary Magdalen W - S. St. James Bermondsey - S. Rotherhithe WH S. & K.	54682	7 12 13 34 84	16 8 5 18 19	2 2 3 4	4 3 2 2 6	11111	2 1 1 - 2		11111	1 2 2 2	11111	1111	11111	1	1 -	1 1 -	1 - 4	11111
Waterloo-road lat # - L. & S. Waterloo-road 2nd # - L. & S. Lambeth Church lat # - L. & S. Lambeth Church 2nd WW - L. & S. Kennington lat - S. & L. Kennington 2nd - S. & L. Brixton 2000 - L. & S. Waterloop Church 2nd W L. & S. & L. Waterloop Church 2nd W L. & S. & L. Waterloop Church 2nd W L. & S. & L. & S. Waterloop Church 2nd 2nd 2nd 2nd 2nd 2nd 2nd 2nd 2nd 2nd	19876 39859 45232 35832	11 19 11 32 26 17 39 11	6 8 20 24 13 12 21 1	1 4 5 5 2 4 3 1	1 3 6 6 3 8 -	01111111	17111111	1111111	9 1 2 1 1 1 1	1	11111111	11111111	1111111		3 - 1 - 1 -	3 1 - 1 - 1 -	16 11 -	1
East Battersea	54675 52587 36380 28004 13235 25553	47 55 19 38 9 23	15 20 9 6 4 10	2 5 3 2 2 4	3 5 - 3 - 2	11111	ī ī ī		1	1		11111	111111	11111	1 1 1	2 2 2	4	111111
Dulwich L. & S Camberwell $WwL^{\pm}L^{\pm}$ - S. & L. Peckham $W$ S., L., & K. L. George Camberwell - L. & S	59104 71089	2 42 69 58	2 88 27 28	4 15 10	1 19 4 3		2 2 2	1 -	1111	1 5	1111		-	2 1	1	1 1 1	19 3	1 1
St. Paul Deptford aww 'K. St. Nicholas Deptford K. Greenwich West H K. Greenwich East WHH K.	76752 7901 21972 24608	78 11 15 24	39 2 7 23	10 - 2 5	2 6		7 - 1	1 -	2 - 1	1 - 2		- 1		1 -	1111		11	2 -
Eltham $H$ $K$ . Lee $H$ $K$ . Lewisham $WH$ $K$ . Sydenham $H$ $K$ .	5048 21559 19865 26076	1 10 16 11	5 8 10 9	1 2 2 1	1 6 1		1 -	1111	1111	- 2		1111		-	1 1 - 2	1 - 3	- 4 -	1
Charlton H K, Woolwich Dockyard K, Woolwich Arsenal HH K, Flumstead, West H K, Plumstead, East W K.	10980 17617 19048 14009	3 18 19 10 14	8 7 4 6 18	1 1 1 4	2 1 - 2		- 24	11111	11111	2	41111			1111		1 2 1 -	-	1 - 1
Metropolitan Asylum Hospitals: Dartford w		-	-				-	-	-		111	-		-	-	-	-	

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the bove Table by w:-

Marylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum in Tottennam Court-road sub-district.
Holborn infirmary in Upper Holloway sub-district.
London City Workhouse "Hoxton New Town sub-district.
Whitechapel "Hoxton New Town Sub-district.

Mile End Old Town Eastern sub-dist.

London City "Marylums in which paupers are received.

Stepney Workhouse in Bromley sub-district.

Poplar & Stepney Sick Asylum
Westmusser Union Industrial Sabol in West Batterses sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.

Metropoiusan Asylum District Hosnicasis in Fulham: Hampstead, Hackney, Briston, and St. Paul, Deptord sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

Registration   Area					Wee	k end	ling S	Saturd	lay, 6	th A	pril, l	1889.							
Carphablon   REGISTRATION   Sub-district   REGISTRATION   Sub-district   Registration   Regist	Regis-					1				The D	SATHS	registe	ered in	the V	Veck i	nelude			
REGISTRATION   SUB-DISTRICTS.   Water   Matter   tration		Acres,	Enume-			Desi	ths of				Deaths	from						10	
3011   Carnhalton wE	and Sub- district Num-		ding Tidal Water and Fore-	rated Popu- lation,	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	aged k upw	Small-pox.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough.	Ferer.	Diarrhos.	Violence.	Inquest Cases.	in	Uncertified Causes of Deach.
Syli   Golstone (part of)	LON	DON - OUTER RING	370,924	950,957	878	324	84	86	-	4		4	8	2	-	7	15	30	4
S8   1   Croydon   WieHILL   2005    10124    75   26   10     1   1   1   1	_			1	_		_	-	-			-	-	-	-	1.1	-		
2 Mitcham w † - 11697 17932 15 6 - 8 - 1 2    59 11 Wimbladon HHH - 3850 3835 18 10 1 4 1 1	87:1	Godstone (part of) * -	2754	1235	2	7-1	~		-	-	-	-	-	-	-	-	-	-	-
Second   Wimbledon   HHH   -			_	1		1	-	_	-	-	-		1 ~	1 -	-	-		1 -	-
Exher (pert of) *   6801   9221   5   2   1   -   -   -   -   -   -   -   -   -	89:1					1	1			-	~		-	-	-	40	-	-	I-
4 Hampton H - 4573 18339 0 1				1		3	_		~	-	-	-	1	-	-	-	-	1	
2 Mortlake - 2941 12331 7 8 1 1 1 1 1 - 41:1 Bromley (pt. of) * HH 15099 31142 37 133 2 1 2 1 1 1 2 Chishret(pt.of) * WHH 14307 15344 19 8 2 1			1	1		3	Â			_	-	-	-	-	-		-	-	ы
41:   Bromley (pt. of) * HH   15039   31142   37   13   2   1   2   1   1			2272	21302	1 1	6		_	-	-	-	-	7-	1-1	-			2	
2 Chishrst(pt.of)* WHH 14307 18344 12 5 2 1						1		_	-	-			-	-	-	1			
42:1   Bexley   H   13437   24:34   13   4   1   1     1   1     2   Dartford (Ww, pts. ol)*   2   - 2   - 2				1		3	_	1 8		_	-		2	_	-			1	1
124:1   Sunbury w	42:1				1	- 2			-	-	-	-	-	-	-	1	1		
2 Stains W 1277 12089 8 2 - 1		Dartford ( Ww, pts. of)*	-	_		2	-	2	7	-	-	L-	~ .	-	-	-	-	2	1
125:1   Hillingdon				1					-				~	-			-		
126:1   Isleworth   WHH   -	125:1		1	ł			1		_		_	-		_	-		_	2	
126:1   Isleworth   WHH   -	2		1		_	-			-	-	-	-	-	-	-	-1	-	-	
2 Twickenham H-									-		-						-		
4 Chiswick 1340 15975 16 8 2 1	2	Twickenham H	1	1		3		_	-		-	_	-	-	_	_	1		
5       Acton wH 6083       22376       26       13       5       2       1       1       2       -         127:1       Harrow H 13809       12796       5       7       2       3       1       1       2       1       1       1       1       1	8		1		1	1	_	_		-	-	-	-	-	-	-	-	1	-
127:1	5		1	1		1			~	-	-	-	1	_	-	1	2	-	
2 Edgware H 6994 3749 4 1 - 1 - 1	127:1	Harrow H	13809	12796	Б	7		_	_		_	-	_:	_	-		-	1	
4 Hendon W 8382 10494 8 9 2 2 1 2  187:1 Bushey 9331 6621 6 2 - 1			1	1	_	1			-		-		-	-	-	-	-	-	-
187 : 1	4		1	1			3		_	-	ī		_	-	_		-	2	
128:1   South Mimms	187:1	Bushey	9331	6621					_			-	_				_	-	
2 Barnet 5433 10092 6 3 1 1 1 7 3 Finchley HL 4388 17615 24 15 2 5 1 7 135:1 Hatfield (part of) * - 3806 583 1 7 135:1 Hornsey H 3089 37078 42 17 5 4 1 1 1 1 2 2 Tottenham H 4642 46463 57 21 8 4 1 1 1 1 2 3 Edmonton Ww ‡ - 7453 23463 17 5 - 2 1 1 2 4 Enfield WH 12853 19104 16 4 - 1 - 1 1 1 2 5 Waltham Abbey - 11017 5368 5				-	-	-	1-1		- 1	-	-	-	-	-	-	~	-	-	-
3 Finchley HL 4388 17815 24 15 2 5 1 7  135:1 Hatfield (part of) * - 3306 833 1 7  129:1 Hornsey H 3089 37073 42 17 5 4 1 1 1 1  2 Tottenham H 4642 46456 57 21 8 4 1 1 1 1 2  3 Edmonton Ww ‡ - 7453 22463 17 5 6 - 2 1 1  5 Waltham Abbey - 11017 8363 5			1				-		-		-	-	-		-	-	-	-	-
135:1   Hatfield (part of)   -   3806   583   -   -   -   -   -   -   -   -   -	3		3	1	_	1			-	-	-		_	-	_		3	7	
2 Tottenham H 4642 46456 57 21 8 4 1 1 1 1 2 3 Edmonton Ww \(\frac{1}{2}\) - 7453 23463 17 \(\beta\) - 2 1 1 1 1 2 4 Enfield WH 12683 19104 16 4 - 1 - 1 - 1 1 5 Waltham Abbey - 11017 8363 5	138:1	Hatfield (part of) * -	3806	583	-	-	-		-	-	_	Ga	_	-	-	_	-	-	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	_		1			17	5	4	-	-	-	-	-	_	_	-	1	-	-
4 Enfield WH 12853 19104 16 4 - 1 - 1 1 1 5 Waltham Abbey 11017 8368 5	_				2	1	8		-	-	1	1	-	-	-	1			1
5 Waltham Abbey - 11017 8348 5	4	Enfield WH	12653	19104		3	-			1	_	-	-		-	_		1	
186:1 Stratford 882 38606 34 15 4 4 1 1 1 2 West Ham wwwww.H\$5-7551 101053 142 86 18 4 - 1 - 1 - 1 1 3 Leyton Ww.L - 4372 32430 35 11 4 1	_		1		_	-	-		-,		-,	-	-	-	-	-	-	-	-
2 West Ham wwww.H§- 7351 101053 142 86 18 4 - 1 - 1 - 1 1 1 - 1 1 - 1		1	1	1	1	1					-	-	-	-	-		-		-
3 Leyton Ww.L 4372 32430 35 11 4 1 1 - 1 1 1	2	West Ham wwwwH§-	7351	101053	142	1			_		-		7	-	-	-		-	-
4 Walthamstow H - 6520 28869 89 12 1		NAME A	1	4	_	11		1	-		-	-	1	-	-	-	-	4	1
187:1 Chigwell (part of) * H 11781 9883 0 4 0			1						-	-	-	-	2	-	Ì	1		-	-
2 Epping (W, pt. of)* 1 _ 1 _ 1 2 1 _ 1			-								-	-	-	-	-	-		1	-
189 1 Romford (part of) * W 6730 3411 5	_		1	1		-	1	-		-		-	-	_	4.	-		-	_
3 Barking Town 4127 9203 16	_					4	2	-	-	-	-	-	-	-		-	-	-	

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow: 30:2. Epons sub-district, except the parishes of Asatead and Headley (nop. 1255); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3. Esher sub-district, except the parish of Esher (nop. 1293); 41:1, Bromley sub-district, except the parish of Cadham and Knockholt (pop. 1818); 41:2, Chreichurst sub-district, except the parish of Cheidled (pop. 247); 43:1, the parishes of Cadham and sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 189:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42.2, Dartford, 187:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

‡ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7.-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of Mortality during the Week ending Saturday, 6th April, 1889.

	Area			L RATE		2.0.	The DE	ATHS	regi	stered	l in t	he W	eek i	nolud	.6	
GREATER	in Acres,	Estimated		TALITY living.	DEATHS	Deat	hs of		)	I	Death	s from	n			Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.	Deaths in Pu
Cols.	1.	2,	8.	4.	5.	6,	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
FREATER LONDON	448,334	5,642,015	17.5	1.9	1896	452	467	-	78	17	30	57	11	17	76	370
INNER LONDON -	77,410	4,351,738	18.8	2.3	1572	368	381	-	74	15	26	49	9	17	69	340
OUTER RING -	370,924	1,290,277	13'1	0.8	324	84	86		4	2	4	8	2	-	7	30

Note.—The area of Greater London is 448,834 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 Foreign Cities, having an estimated Aggregate Population of 16,564,302 Persons.

	D					ANNUAL	DE	EATHS	FROM	PRIN	ES.	ZYMO	
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETUR Week end		BIRTHS. Exclusive o	DEATHS. f Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrheal Diseases.
CALCUTTA	433,219	,		-	-	-	-	-	-		-	-	-
BOMBAY	773,196	March	12	271	483	27.9	9	21	2	?	9	181	34†
MADRAS	398,777	February	22	282	357	46.2	-	32	2	5	?	77	66†
PARIS	2,260.945	March	30	1220	1054	24.2	4	40	1	52*	6	14	60
BRUSSELS with 8 Faubourgs.)	471,606	39	30	279	187	- 20°6	-	4	-	1	1	4	13
AMSTERDAM -	390,016	39	30	257	186	24.2	-	10	-	4	2	1	
ROTTERDAM -	197,723	33	30,	142	95	24.9	-			· -	· ·	-	~
THE HAGUE -	153,440	33	30	98	58	19.6	-	1.	_	~	1		-
COPENHAGEN -	807,000	12	23	208	123	20*9	-	- 1	1	5	3	1	2
STOCKHOLM -	221,549	99	23	174	68	16.0		-	1	1	1	-	5
CHRISTIANIA -	135,60)	33	30	86	46	17.6	-	3	1	5	-	-	-
St. Petersburg	842,883	39	23	-	643	39.8	1	1	16	10	12	17	79
BERLIN	1,470,582	10	16	887	559	19.7	-	3	6	15	9	14	54
HAMBURG(State)	550,694	**	23	388	279	26.4	- 1	~	- 5	13*	7	5	6
DRESDEN	264,196	31	23	150	101	19.9	-		Li.	2*	-		3
BRESLAU	313,451	29	30	233	153	25'6	-	70	-	6*	_	-	13
MUNICH	281,000	**	23	186	152	28°1	-	12	6 2	10*	1	-2	15
VIENNA	811,434	39 ,	23	575	423	27.1	9	1	2	4	2	8	6
PRAGUE	304,356	9.9	23	0.07	181 271	31.1	9	1	1	7		5	18
BUDA-PESTH -	452,907	99	23	347	96	31.6	1	_	1		_	_	1
TRIESTE	158,084	February	23	237	222	28.8	2	7	2	4	1	1	7
Rome	401,044 {	"	16	273	239	31.0	3	8	1	7	1	8‡	11
TURIN (8 days) -	306,398	March	10	-	۷ .	-	-	-		-	-		-
VENICE	153,375	3)	23	77	115	39.1	3	1			1	2	10
CATRO	374,838	29	14	384	330	45.9	7	3		5*	4	22	99
ALEXANDRIA -	231,396	33	14	221	: 260	58.6	1	12			-	10	69
NEW YORK -	1,549,500	,,	16	-	863	29'1	-	20	46	47	24	6	12
BROOKLYN -	814,505	99	16	-	411	26.3	-	18	7	21	12	1	6
PHILADELPHIA -	1,040,245	32	16	-	405	20.3	-	1	8	6	1	8	5
BALTIMORE .	500,343	39	16	-	175	18°3	-	-	2	4		1	

<sup>\*</sup> Including deaths from croup.
† Including 2 deaths from cholera in Bombay, and 5 in Madras.
‡ Including 1 death from malarial fever.

TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the Roxal Observatory, Greenwich, during the Week ending Saturday, 6th April, 1889. [Under the Superintendence of the Astronomer Royal.]

,	_								-110	16660	70108	-	11	Crowe					-			-
-		Ozone.		0.0	8.0	2.5	1.8	11.5	7.5	1.8	3.6	27	ea; no	er, are ussion er, and eading	the air	raphic	," and	l, and un the	E; and	t, show	creased 1; and	ch, for
	collected	in a Gauge whose receiving	surface 1s 5 inches above the Ground.	in. 0.09	0.01	00.0	0.15	0.03	00.0	000	Sum 0.27	26	vel of the sea; no The means of the	rmomete m a disc paromete I mean re	ure of tl	e photog	1875. "higher	Deptior	trometer s. strong	strument	the 61	21st Mar
			Departure from Average of 16 Years.	Miles.	+ 42	+195	- 61	4 53	-143	-124	Sum -209	25	an level	bulb the luced fro for the l	emperatu humidit s by Gla	on of the	s ending	arket at instructi	ing Elecoderate;	shine Ins g of the v	A.M. on	col. 26),
	0.	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	340	492	236	300	153	171	Sum 1869	2.4	ve the me vel.	d the wet build thermometer, are ections deduced from a discussion udding 1873 for the barometer, and With the corrected mean reading	ol the real	a discussi	that + i	Joreign Cattle Market at Deptford, Market, under instructions from	Thomson's self-registering Electrometer. ative; w. weak; m. moderate; s. strong	okes Suns beginnin	by 9h.	Kamfall
20000	Tonice of	he .	Mean of 24 hourly obs.	1bs. 0.0	9.0	7.7	0.1	4.0	0.0	0.0		23	et abo	corrections of correc	illy va and d	from 8	s for the mind	oreign Market	n's sel	ell-Sto	9°85 ir	188B-
A second	Tank III	Pressure on the Square Foot.	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	23	s 159 fe duce to on; 3h	momel trion or enty y	rected ean de rature et bul	erived	record orne in	the F	homsc tive; 1	Camplell day	i to 2	Jarch.
9 5 000	ncea 110	Press	Great.	1bs. 0.5	4.4	9.4	1.9	8.5	4.0	0.0	0 0	21	neter is to rec M.; no	b ther applica the tw he then	the meter temperature that we want	that d	netric Il be b	ies of lerk of	from T	n the	creased	2Srd A
Control of the Contro	Wind as deduced from Ademonietes.	Osler's.	P.M.	Variable.	NW.&WW.	NNW.	WSW. & S.	SSW.	SSE. & ESE.	ENE. & ESE.	ble.	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea lovel.  Observations are usually taken at 91, A.M.; noon; 31, P.M.; and 91, P.M. The means of the	eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are ownerted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years enting 1873 for the barometer, and during the twenty years enting 1873 for the barometer, and during the twenty years enting 1868 for the thermometers. With the corrected mean reading	of the dry build thermometer is combined the corrected metal of the reachings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air ecolumn 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glassher's Hypro-	metrical Tables.  The average temperature of the air is that derived from a discussion of the photographic announced and allowed of Communical information of the photographic announced and the control of the photographic announced and the control of the photographic announced and the control of the photographic announced and the control of the control of the photographic announced and the control of the photographic announced and the control of the photographic announced and the control of the photographic announced and the control of the photographic announced and the control of the photographic announced an	of the air from a discussion of the amenometric records for the 16 years entirely 1875.  In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and — "lower," than the average.  — "lower," than the average.	The interpurible ets in the water of the lettings are statefaced as the print who teep below the surface, at the end of one of the jettines of the Foreign Cartle Marked at Deptiont, and their readings, are registered by the Clerk of the Market, under instructions from the	Orpoponon or London:  The record of Electricity is derived from Thomson's self-registering Electrometer. The granbols employed are:—P. positive; N. negative; w. weak; in. moderate; s. strong; and y. variable.	The numbers in column 29, derived from the Campboll-Stokes Sunshine Instrument, show the agreemented duration of bright sunshine on each day. The predaing of the barometer decreased from 29'79 in. at the bestiming of the week to 29'79 in.	by noon on the Sist of March; increased to 23° 5.111. by all. A.M. on the 18t of April; decreased to 29.92iii. by 8h. A.M. on the 4th; increased to 29° 35 in. by 9h. A.M. on the 6th; and decreased to 39° 25 in. by the end of the week.	Week ending
(nr. )		General Direction.	A.M.	NW.&WNW	N. SW. &	NW.&NNW.	NNW. & SW.	SSW.	SSE.	E. & ENE.	Variable.	19	the cistern een applied t	the baromete mean daily v phic records of	thermometer thermomete he mean dail n daily value	temperature	a discussion on the columns 9 and the average	the surface, at the end of one their readings are registered	Corporation of London.  The record of Electricity symbols employed are:—P. variable.	in column 29	Sist of Marc. Sh. P.M. on 25 in. by the	REPORT for
Under the Superintendence of the Astronomer koydi.	3	Of the Water of the Thames at Deptford.	Low-	45.3	0.95	6.55	45.4	43.7	7.04	45.9	45.3	18	ight of has b	ngs of into otograj	y bulb imum 8). T	The average to	from ding the	oce, at adings	ecord cemplo	imbers egate c ading o	on the in. by d to 29	ra in
ronom	TEMPERATURE.	Of the of the at Der	High-	0.47.0	1.14	6.44	47.6	47.1	8.44	6.24	9:24	17	The he	e-readi nverte the ph ring tl	the drid	The a	the air	The unite surfa	Corporation The reco symbols en	The ni	y noon 29.02	BREA
ne Ast	EMPER	Of Radiation.	Lowest on the Grass.	0.18	25.4	32.4	33.7	87.9	34.6	32.6	82.4	16		\$ 5 5 6		_		445	<u> </u>		259	
10001	I		High- est in Sun's Rays.	8.94	73.4	9.001	0.49	118.8	125.1	8.801	95.7	15		P.M.	cloudy after-	overca	evenin	rery.		0Vercast		
renaer		Degree of Hu- midity (Satu-	ration equals 100).	88	83	09	81	92	85	67	200	14	KS.	at 8h.	y cloud	rnoon;	oo and	ly show		evening;		
uperin	ween '	the Air Temperature and Dew Point Temperature.	Least.	0.2	0.0	4.9	0.2	0.0	0.0	0.0	1.1	13	GENERAL REMARKS.	Showery. Hail at 8h. P.M.	early morning; generally shower at 9h. P.M.	Fine and partially cloudy till afternoon; overcast terwards.	Frequent rain in afternoon and evening.	Occasionally showery.		till		
N 942 .	ence bef	Dew Po	Great-	0 00	15.2	20.2	6.6	14.6	2.5	15.0	14.1	12	AL RE	howery	ning; g	l' Apnol	rain in		dy.	cloudy		
Under	Differ	and and Ter	Mean daily value.	0.9	2.4	6.71	5.5	1.1	15.5	5.5	6.9	1	NER		y morr	tially c	equent	ly cloud	ly cloud	partially cloudy		
		Of the Dew Point.	Mean daily value.	88.88	9.48	8.08	34.1	98.0	39.4	40.1	.37.0	10	GI	Generally cloudy.	in earl A shov	und par		Fine; partially cloudy.	Fine; partially cloudy.			
	RE.		De- parture from verage of	- 1.0	0.8 -	0.6 -	2.9 -	- 1.3	- 2.0	- 1.4	2.7	6		Gener	Fine wards.	Fine and afterwards.	Overcast.	Fine;	Fine;	Fine and afterwards.		
H	RATU	dr.	Mean daily value.	, 43.8	42.3	43.7	9.68	1.9%	9.74	45.3	43.5	000	Registered Sun above Sunshine, Horizon, in hours, in hours.	12.8	12.9	13.0	13.0	13.1	13.5	15.2	Sum 91.5	60
	TEMPERATU	Of the Air.	Daily Range.	10.1	18.9	2.11	0.6	15.8	18.3	1.41	14.4	7	red Sun ne, H									
			Low-est.	38.0	33.3	89.4	0.98	38.3	87.8	6.48	37.4	9	Registe Sunshi in hou	1.1	8.0	4.6	0.0	6.5	4.0	4.0	Sum 21.3	06
			High.	. 49.6	52.5	9.09	45.0	54.1	1.99	55.0	8.19	120	i of				tior eek					
	METER.	Mean daily reading	rected and re- duced to 32° Fahren- heit).	in. 29.703	29.757	29.726	29.582	29.029	29.261	29.321	29.487	75	ELECTRICITY. (For explanation of symbols, see Note.)				The electrometer was not in action throughout the week					9.6
		Phases	Moon.	New.	Equator.	:	:	:	1:	Apogee.	1	os.	(For e				The was n					
1			8	31	14	67	ಣ	4	13	9	· makina.	-		31	-	Ç)	co	4	10	9		Ī
		1889.	Monte and Day,	MARCH.	MON.	TUES.	WED.	THURS.	FFRI	SAT.	MEANS.	No. of Col.	DATE. MARCH.	SUNDAY	MONDAY .	TUESDAY .	WEDNESDAY	TRUBSDAY .	FRIDAY .	SATURDAY.		ar. at Mal

# OFFICIAL COPY.

### WEEKLY RETURN

#### BIRTHS AND DEATHS LONDON

AND IN

#### OTHER GREAT TOWNS. TWENTY-SEVEN

By Authority of the Registrar General.

ed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BE BANK AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 15. 1889. Vol. L.]

WEEK ENDING SATURDAY, APRIL 13.

Price 13d.

General Register Office, Somerset House, 15th April, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19.9 per 1000. The death-rates in the several towns, in each of the last four weeks, were :-

		Weeks	ending				Weeks	ending	
Towns.	Mar. 23.	Mar. 30.	Apr. 6.	Λpr. 13.	Towns.	Mar. 23.	Mar. 30.	Apr. 6.	Apr. 13.
Birkenhead	18.8	15.8	17.8	13.7	Liverpool	24.2	22.7	19.9	23.3
Birmingham	20.1	21.2	21.5	22.6	London	18.6	17.7	18.8	17.9
Blackburn -	36.1	23.2	30.6	30.1	Manchester -			27.8	
Bolton -	26.4	26.8	25.9	21.8	Newcastle-on-Tyne*	19.4	24.0	20.7	28.2
Bradford* -	19.1	22.4	20.9	17.8	Norwich	19.3	19.3	19.3	16.6
Brighton -				20.1	Nottingham -	20.4	18.9	17.8	20.2
Bristol -	18.7	19.6	19.3	17.1	Oldham	21.6	25.7	26.4	25.3
Cardiff* -	23:1	19.4	19.0	18.1	Plymouth	23.3	27.4	18.0	20.0
Derby -	17.5	12.7	21.2	14.8	Portsmouth -	20.7	17.4	16.3	20.3
Halifax !-	16.1	13.5	17.4	19.3	Preston	29.5	28.0	30:0	31.0
Huddersfield	19.7	21.4	21.4	22.5	Salford*	22.3	20.3	20.7	17.6
Hull	18.8	19.3	18.1	15.6	Sheffield	23.9	21.8	25.0	21.8
Leeds -				24.5	Sunderland -	28.8	19.8	18.3	22.9
Leicester* -	16.6	16.3	17.3	15.9	Wolverhampton -	18.3	19.6	22.8	13.9

The highest annual death-rates, measured by last week's mortality, were:from measles, 2.0 in Preston, 2.2 in Oldham, 2.3 in Bolton, 2.5 in Birkenhead, and 3.7 in Manchester; from scarlet fever, 1.5 in Birkenhead, and 1.7 in Blackburn; from whooping-cough 1.7 in Blackburn, 1.9 in Newcastle-upon-Tyne, 2.3 in Cardiff, and 2.5 in Preston; and from "fever," 1.0 in Preston, and 1.1 in Portsmouth. The 43 deaths from diphtheria in the twenty-eight towns included 36 in London and 3 in Birmingham. No death from small-pox was registered in any of the twenty-eight great towns.

### LONDON.

In LONDON 2509 BIRTHS and 1493 DEATHS were registered. Allowing for increase of population, the births were 287, and the deaths 303, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17.7 and 18.8 in the two preceding weeks, declined again last week to 17.9. During last quarter the death-rate was 19.5 per 1000, and 3.9 below the mean rate in the corresponding periods of the ten years 1879-88.

The 1493 deaths included 72 from measles, 13 from searlet fever, 36 from diphtheria, 43 from whooping-cough, 1 from typhus, 10 from enteric fever, 1 from an ill-defined form of continued fever, 11 from diarrhæa and dysentery, and not one from small-pox or cholera; thus, 187 deaths were referred to these diseases,

being 49 below the corrected average weekly number.

The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

No death from small-pox was registered, the corrected average being 17. The fatal cases of measles, which had been 84, 56, and 74 in the three preceding weeks, declined again last week to 72, but exceeded the corrected average by 15; 11 belonged to Islington, 4 to St. George Southwark, 5 to Newington, 4 to Bermondsey, 6 to Greenwich, and 8 to Plumstead sanitary areas. The 13 deaths from scarlet fever showed a decline of 2 from the number in the previous week, and were 8 below the corrected average; 2 belonged to Hackney sanitary area. The deaths referred to diphtheria further rose from 18 and 26 in the two preceding weeks to 36, and exceeded the corrected average by 17; 3 belonged to Pancras, 4 to Poplar, 3 to St. George Southwark, and 3 to Lambeth sanitary areas. The 43 fatal cases of whooping-cough showed a further decline from the numbers in the two previous weeks, and were less than half the corrected average; 24 belonged to the sanitary areas in South London. The 10 deaths referred to enteric fever, although exceeding the low numbers in recent weeks, were 6 below the corrected average; 2 belonged to the Strand and 2 to Camberwell sanitary areas. A death in Greenwich was attributed to typhus. The deaths referred to diseases of the respiratory organs decreased last week to 294, and were 161 below the corrected average.

GREATER LONDON.

In Greater London 3344 births and 1845 deaths were registered, corresponding to annual rates of 30·9 and 17·1 per 1000 of the estimated population. In the Outer Ring 12 deaths from measles, 6 from diphtheria, and 4 from "fever" were registered. Three fatal cases of measles were registered in Bexley and in Chigwell sub-districts; and 2 of diphtheria in Hillingdon sub-district.

DEATHS BELONGING to the SEVERAL SANITARY AREAS of REGISTRATION LONDON registered in the 13 WEEKS ENDING on 30th March, 1889.

	the 1				_	_						
		-	Des	ths fro	m Prin	cipal Z	ymotic	Diseas			In-	the
SANITARY AREAS.	Total Deaths from all Causes.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Simple and Undefined Fever.	Diarrhea.	Deaths of Infants under 1 Year of Age.	Deaths under 1 Year to 1900 Births registered.
REGISTRATION LONDON WEST.	20,789	-	1103	179	348	451	2	104	7	188	4455	127
Paddington	476 652 448 390 477 418 304 148	1111111	4 8 19 23 15 26 29 11	411111111111111111111111111111111111111	9 81 13 2 5 11 12	7 4 11 25 9 8 8	1111111	4 2 6 2 4 2 1	1 1	60522542	102 133 104 111 109 72 52 20	134 183 145 140 136 155 128 139
North.  Marylebone	761 178 1161 1440 890	11111	16 2 24 81 49	1 4 12 18	6 1 10 10 16	15 2 20 37 13	1111	5 2 3 8 6	1 3	6 8 18 13 6	149 81 233 816 171	122 82 120 123 98
CENTRAL.  St. Giles	277 85 196 236 363 277 258		21 4 12 4 22 13 2	1 1 8 8 8 5	8 - 3 4 5 3 5	5 4 5 4 7 1	1 1 1 1 1 1	2 2 1 1 1 1 1 1		3 1 2 4 3	47 11 26 42 72 54 28	149 133 150 167 119 105 133
EAST. Shorelitch Rethnal Green Whitechapel St. George-in-the-East - Stepney Mile End Old Town Poplar	606 714 431 312 333 563 892		15 54 12 3 2 9	2 17 - 8 6 7 21	5 6 6 31 9 6 20	8 5 3 2 2 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-	7 4 1 1 2 3 5		7 5 3 3 4 4	166 160 89 61 64 129 201	135 114 134 125 114 122 128
SOUTH.  St. Saviour Southwark St. George Southwark Nowington St. Olave Southwark Hermondsey Hotherhithe Lambeth Lambeth Camberwell Greenwich Lewisham (excluding Pengo) Woolwich Plumstead	165 426 702 107 566 215 1520 653 514 1135 729 245 202 329		8 41 55 21 68 14 105 80 22 125 23 6 5 83	7 5 8 1 19 5 2 12 6 6 1 1 -	2 8 12 6 3 50 112 12 15 5 4 4 2 4	2 13 19 10 25 6 34 14 6 42 37 1	1	2 8 - 1 3 5 1 2 4 4 1 1	1	3 4 8 2 5 5 19 8 2 1 1 5 2 2 1 2 2	\$2 95 158 25 124 42 846 182 112 249 165 57 89 76	122 1.58 1.69 1.94 1.53 1.07 1.48 1.32 1.06 1.30 1.13 1.22 1.03 1.00

In the above Table all deaths in Hospitals and in other Public Institutions within Registration London, as also 49 that occurred outside that area in the

Strand Union Workhouse at Edmonton, the Holborn Union Workhouse at Mitcham, and the Metropolitan Asylum Hospitals, have been distributed to the sanitary areas from which the deceased inmates were admitted. On the other hand the deaths of 349 non-residents who died in Public Institutions inside London have been excluded from the Table.

### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.32 ins.; the lowest reading was 29.11 ins. on Monday evening, and the highest 29.55 ins. at the end of the week. The mean temperature of the air was 43.5, and 3.5 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed a slight excess on Monday, but was considerably below the average on each of the other days of the The general direction of the wind was Easterly, and the horizontal movement of the air averaged 8.9 miles per hour, which was 3.2 miles below the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0.56 of an inch. The duration of registered bright sunshine in the week was 8.6 hours, against 14.2 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of MARCH 1889; according to their returns 155,425,673 gallons or 706,170 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 208 gallons (94.5 decalitres), being rather less than a ton by weight, to each house, and (assuming 7.8 persons to each house) 26.6 gallons (12.1 decalitres) to each person, against 27.3 gallons during March 1888.

	Number of suppli		Average daily Su in Gal	
COMPANIES.	MARCH.	MARCH.	MARCH,	MARCH.
	1888.	1889.	1888,	1889.
TOTAL SUPPLY	735,551	748,727	156,534,723	155,425,673
From Thames	354,543	360,786	78,475,368	77,582,844
	381,003	387,941	78,059,355	77,842,829
THAMES. Chelsea West Middlesex Southwark and Vanxhall Grand Junction Lambeth	34,483	34,835	9,465,029	9,072,930
	70,146	71,339	14,167,501	13,977,465
	109,104	110,707	23,126,303	21,787,724
	53,988	55,243	15,431,735	16,414,125
	86,822	88,662	16,284,800	16,330,600
LEA AND OTHER SOURCES.  New River East London Kent	149,841	151.975	27,398,000	27,800,000
	160,856	164,109	39,277,086	38,760,052
	70,311	71,857	11,384,269	11,282,777

Note. — The Return for March 1889, as compared with that for the corresponding month of 1888, shows an increase of 13,176 houses, and a decrease of 1,109,050 gallons of water supplied daily.

# Analysis of Metropolitan Water Supply during March.

Water-analysis Laboratory, The Yews, Reigate, 3rd April, 1889.

SIR, I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of March.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.5, Tottenham 1.4, Colne Valley 1.5, New River and Grand Junction 1.8, Lambeth 2.1, Southwark 2.6, East London 3.5, West

Middlesex 3.7, and Chelsea 4.4.

The Thames water sent out by the Chelsea, West Mildlesex, and Southwark Companies, was inferior in quality to that delivered in February by the same Companies, whilst that supplied by the Grand Junction and Lambeth Companies was superior. The Grand Junction Company again attained the highest degree of organic purity and equalled the New River Company in this respect. The Chelsca Company, although operating upon the same raw material as that employed by the Grand Junction Company, delivered water which contained more than twice as much organic impurity. This advantage to the customers of the Grand Junction Company is not due to the greater size of the Company's storage reservoirs since these have not one-third the capacity of the Chelsea Company's reservoirs; but, by pumping from the gravel beds alongside the Thames, the Grand Junction Company avoids taking in much water direct from the river when the latter is in a foul condition. All these Thames-derived waters were efficiently filtered. P 2

Of the water chiefly derived from the River Lea, that supplied by the New River Company was of better, whilst that sent out by the East London Company was considerably worse, than the

February supply. Both waters were efficiently filtered before delivery,

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a very high degree of organic purity; and the Colne Valley Company's water, having been softened before delivery, was also of good quality for laundry use. The water supplied by the Tottenham Local Board of Health was slightly turbid.

Seen through a stratum two feet deep, the waters presented the following appearances: - Kent and Colne Valley, clear and colourless; Tottenham, slightly turbid and colourless; New

River, clear and nearly colourless; the remaining waters, clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "rather more turbid, and contained considerably more organic matter than it has done for some time past.'

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

	RESU	LTS OF ANALYSIS EXPRES	SED II	N PAI	RTS I	ER	100,0	00.			
or	COMPANIES LOCAL AUTHORITIES	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES. Chelsea	March 4th, Cab Rauk, Horse Guards, Whitehall.	5.6	30.72	218	.043	0	274	*317	1.8	20.3
ı	West Middlesex -	{Cab Rank, Portland-road.}	5.7	31.74	187	.033	0	*306	*339	1.8	21.2
oi.	Southwark	March 4th, Cab Rank, Bricklayers Arms, Old Kent-road.	5.8	32.28	.124	.030	0	*309	*339	1.8	22.1
Inner Circle.	Grand Junction -	March 4th, Cab Rank, Uxbridge-road, near Marble Arch,	5.0	32.78	.079	.030	0	*353	*383	1.8	22.4
Inne	Lambeth	March 4th, Cab Rank, St. George's- road, Southwark.	6.1	33.80	•101	•023	0	.370	*393	1.8	22.7
ı	LEA. New River	March 4th, Cab Rank, Tottenham Court-road.	5.2	31.34	.078	•027	0	*374	*401	1.8	21.2
	East London -	March 4th, Fire Brigade Station, Commercial-road, E.	5.2	36.48	.173	*034	0	*300	334	2.1	23.0
sle.	DEEP WELLS. Kent	March 4th, Mill Lane, Deptford.	12.2	40°70	.019	*008	0	*550	*558	2.6	28.6
Outer Circle.	Colne Valley	March 7th, Bushey.	-	17.60	075	.014	*085	•421	*505	2.1	7.4
Oute	Tottenham	March 1st, Tottenham.	-	45.00	*066	*015	1035	*385	*429	3.1	25.7
Corp	poration of Birming- m* .	{ March 1st, 2, Betholom Row. }	6.1	28.88	.210	043	*002	.220	264	1.7	16.7
Cor	poration of Glasgow†-	{ March 15th, Loch Katrine Water. }	4.9	2.80	200	.057	0	•004	•061	-7	•95
	Column 1.	2. Alfred Hill, Medical Officer of	3.	4.	5.	6.	7.	8.	9.	10.	11.

<sup>\*</sup> Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the Borough.
† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water The Table is to be read thus:—the Chelsea Company's water, collected on the 4th March at the Horse Guards cab-rank, had a temperature of 5° 6 C.; 100,000 lbs. of it contained 30.72 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained 218 lb. of carbon and 043 lb. of nitrogen. The above quantity of water also contained no ammonia, and 274 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 317 lb. The above weight of water also contained 1.8 lbs. of chlorine; and 20.3 lbs. of carbonate of lime, or an equivalent quantity of other hardening or

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

									Li	. 610	,0,		J C. W. C	140	7			oro		19•												101
	CITIES	Ď		Cols.	- 28 TOWNS.		PORTSWOTTH.	NORWICH.		WOLVERHAMPTON.	Brownson	LEICESTER.		DERBY.	BIRKENHEAD.	-	ROLTON.	MANCHESTER.	SALFORD.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.		CHEERIPID	_	7 0.				EDINBURGH.	
П	PALE.	-ist	In Cerestre	24.	2.84	1.42	00 1	1	19.0	3.53	,	1	3.12	1	8	5.34	6	,	•	1	1	1	1	8.78	3	1 1 1 1 1 1 1 1	- 1	9.49	1		2.08	2.46
ı	RAINFALL	*81	In Inche	23.	1.12	0.26	00.0	1	9.04	1.39	•		1.23	1	ı	0.93	1	1	ı			3		1.49	1	0.60	000	0.08	2 1		0.83	26.0
AIR.	l a		bergitasO	22.	2.11	6.30	9 1	ı	7.33	4.33		K	4.39	.1	ı	4.33	1	1	4	1 1	. 1	1	1,-	3.94	1	0.40		19.8	1		3.83	2.61
OF THE	Mean.	.31	Гартепре	21.	41.2	43.5	44.7	1	45.2	8.68		8	89.0	1	1	39.8	- 8	1		, ,	3	1	1	39.1	1	1 00	0 00	100	1		38.0	42.1
TEMPERATURE OF THE AIR.	-	JE9M	nheit.	20.	31.8	35.5	0.22		85.0	31.8		,	35.0	1	1	33.5	1		1	1 1	1	1	1	35.5	1	0 8 8 9	000	0.56	3	_	9.45	27.78
FEMPER	-	звоцЯ	Fahrenheit	19.	55.1	-	54.5		55.0		_	1	50.2		1	48.5	1			1 1	. 1	1	1	8.97	1			70.98	PR-1		43.5	8.67
Rate	nding	in S.	From Diseases Cols. 6-1	18.	2.4	67 -	9 00	9.0	2.0		0.0	0.4		-	9.7	8° 50	9.8	5.1	1.6	9 40 0 00	10	2.8	1.8		00 1	_	0.0					3.1
Annual	corresponding to the	V BOK SI	From A Causes	17.	6.61	6.41	1.02	9.91	0.03	13.6	9.66	12.0	20.5	14.8	18.7	23.3	8.17	1.85	9.21	30.1	0.18	22.2	19.3	8.41	24.5	8.17	0.00	0.00	18.1		14.9	25.7
-	[*1131	Bact 1	Uncer Causes o	16.	83	14	:0 6	1 1	1 0	o	-	1 00	2	1	ı	16	တ	4	1 0	- co	1 49	67	ေ	7	4	7	10 1	-	B 1		16	28
١	-	oil tions.	Deatl Gud Unstitu	15.	593	325	S 00	2 4	1 0	27 00	00	9 10	4	9	10	44	00	34	12	9 9	> 00	00	00	6	14	13	9	9 0	20 00		15	51
			Inquest	14.	253	130	37 0	2 01	н.	4 1	00	3 1	- 61	1 1		11	7-1	12	9	₹7 C	9 00	)	ı	တ	16	00	67	eo 1	[~ 1G		φ.,	° ;
4		1	Violence	13.	136	89	23 00	2 67	П	n 1	c	0 01	0	( 1	1	10	1	10	63	<del>-1</del> 71 +	4 63	1	i	-	70	63	-	63	9 0	1	ර	11 3
			Diarrhœ	12.	32	11	1 -	- 1	1	- 1	1	- 1	0	3 00	i	တ	1	4		1 1	- 1	1 1	1	-	7	ı	3	1	ca 1		1	60 64
	01	-	Ferer.	11.	38	12	- 0	o H	1	1 8	1	- 1	6	3 1	1	9	H	H	ಣ	1	1 6	-	Н	1	1	1		1	1 -		1	1 67
	from	-8	Whoopin cough.	10.	104	43	l r	۱ ا	7	1 1		2	٦,	- 1		0	, 1.	4	1	4	- N	0 1	1	4	-41	63	7	_	9 x	0	63	30
	Deaths from	.si	Diphther	60	43	36	1	1 1	1	ı	ı	en 1	-	1 1		-	1	à	-	1	1	1 -	4 8	1	3	1	1	1	1 1		-	တ၊
	The DEATHS registered in the work included to Deaths from		Searlet Fever.	oč	45	13	ı	1 1	ı	1	ı	4	1	1 -	. 00	00	63	pol	B	Η.	49 1	1 1	1	-	-	4	3	H	pel I	i	1	<b>≓</b> 1
	16 DEA		Measles.	7.	174	27	1	1 1	ı	©1	ı -	ಣ	l r	<b>⊣</b> •1	30	14	,10	20	6.3	9	<del>-</del> 77 -	er e:	) H	1	13	6	-	1	63		1	23
The state of the s		.3	toq-ilam2	6.		1	ı	1 1	1	ı	1	í	1	1		1 1	1	1	1	1	1.	1	1 1		1	ı	1	1	1	1	3	1 1
T I	jo a	5 6	Reserved 18 18 18 18 18 18 18 18 18 18 18 18 18	7.3	829	373	16	20	0	23		36	9	1 73	- 6	45	10	34	17	11	17	ין כי	101	66	31	53	16	13	17		21	39
IRIES	Doothe	1967	nfants un 1 Year of Age.	-	844	322	13	6 6	07	15	9	44	16	e e	n u	9 19	3 0	) ii	19	1.6	12	200	n 00	10	200	88	18	14	20	e e	130	64
	luring		DEATES.	.00	3647	1493	47	55	30	75	7.7	197	46	92	0.0	146	48	904	7.9	69	02	62	30	80	168	187	62	59	200	69	76	294
TABLE L. DIKIES,	Registered during	13th Apr., 1889.	BIRTHS. Di	.63	5627	2509	54	113	44	117	49	251	85	134	9.5	294	06	096	143	85	74	22	0 80	119	240	217	130	66	103	28	161	408
	Re Reion th	_	the Year 1889.	-	406		121,807	141,253	78.225	229,361	82,544	454,835	150,520	237,812	98,529	145,541	114.670			142,405	121,275	104,194	81.080	985.056	357,449	827,227	208,017	184,193	160,988	211/2[1	266,800	528,144
		CITIES	BORUUGES.	alo		SR TOWNS	LONDON	PORTEMOUTH .	NORWICH .	REISTOL	WOLVEBHAMPTON	BIRMINGHAM .	LEICEBTER .	NOTTINGHAM:	DERBY	BIRKENHEAD .	LIVERPOOL .		MANCHESTER SATTORD	OLDHAM	BLACKBUBN -	PRESTON .	HUDDERSFIELD -	Prantoppe .	LEEDS	- 12	HULL	SUNDERLAND .	NEWCASTLE.	CARDIER.	EDINBURGH -	GLASGOW

TABLE 2. LONDON .- Births and Deaths Registered in the FIFTEENTH Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males  Females .	2855	2656	2944	2529	2598	2429	2617	2655	2626	2831	2795·9	2509
	1241	1329	1171	1322	1349	1232	1358	1342	1328	1442	1430·0	1292
	1114	1327	1178	1207	1249	1197	1259	1313	1298	1389	1365·9	1217
TOTAL Deaths  Males Females .	1786	1519	1636	1727	1803	1474	1706	1571	1558	1692	1796·2	1493
	870	787	809	865	944	771	865	828	803	882	919·6	777
	916	782	827	862	859	703	841	748	755	810	877·6	716

<sup>\*</sup>The numbers in this column are the average weekly numbers in the fifteenth weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population.

TABLE 3. L()NDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

Total Births 2:  Total Deaths 1:  Ages at	Jan. 19. 26. 2887 2599 1769 1620 776 709 197 162 288 280 428 394 80 75 873 325 815 281 88 103	Feb. 2. 2662 1570 714 158 270 388 90 370 250	Feb. 9.  2772  1460  650  181  243  318  73	Feb. 16. 2511 1516 655 182 279 322 78	Feb. 23. 2695 1567 666 202 278 337	Mar. 2. 2609 1472 681 153 254	Mar. 9. 2698 1637 695 175	Mar. 16. 2699 1638 719 188	Mar. 23. 2670 1554 666 165	Mar. 30. 2808 1476	Apr. 6. 2676 1572 729	2509 1493
Total Deaths - 1/  Ages at  Death   O=20 years - 7/ 20-40 , - 1/ 40-60 , - 2/ 40-80 , - 3/ at 80 years & upwds.  Under 1 year - 3/ 1-5 - 3/	776   1620 776   709 197   162 288   280 428   394 80   75 873   825 815   281	714 158 270 338 90	1460 650 181 243 318 73	1516 655 182 279 322	1567 666 202 278	1472 681 153	1637 695 175	1638	1554	1476	1572 729	1493
Ages at Death Death (0-20 years - 120-40 , - 40-60 , - 240-6	776 709 197 162 288 280 428 394 80 75 873 325 315 281	714 158 270 338 90	650 181 243 318 73	655 182 279 322	666 202 278	681 153	695	719	666	642	729	
Ages at 20-40 ,	197   162 288   280 428   394 80   75 873   325 315   281	158 270 338 90 370	181 243 318 73	182 279 322	202 278	153	175					671
1-5 8	315 281		294		84	314 70	309 391 67	298 357 76	274 366 83	200 274 287 73	175 287 805 76	671 183 266 310 63
		94	233	326 247 82	344 238 84	349 257 75	322 277 96	362 249 108	317 276 73	316 242 84	368 261 100	322 251 98
", Scarlet fever - Diphtheria ", Whooping-cough ", Typhus - Enteric fever - ", SimpleContafever ", Diarrhea and Dysentery - ", Cholera - ", Cholera -	121 83 19 20 58 33 86 24 7 10 - 1 11 24 	71 11 38 38 - 10 1 13 -	56 12 24 38 - 5 - 18 -	13 16 24 31 - 13 - 10 1	70 14 27 31 1 8 - 16 -	67 12 25 31 1 6 - 18 -	76 16 20 29 - 4 3 15 -	60 16 31 37 -6 - 14 2	84 6 23 42 - 4 - 18 -	56 11 18 51 - 8 - 9 -	74 15 26 49 - 9 - 17 -	72 13 86 43 1 10 1 11 -
tory System) ,, Phthisis 1.	492     456       136     152       155     141	409 138 142	340 140 132	376 158 120	362 156 130	362 127 116	402 161 150	396 162 157	378 139 127	332 153 153	364 170 146	294 152 135
Inquest Cases 1 Deaths in Public Institutions 3	63   50 121   102 386   401	55 104 382	49 91 314	44 98 375	65 114 353	57 118 353	52 114 395	63 127 378	53 111 365	52 125 354	69 130 340	68 130 325
Mean of Highest readings - 41	7.8 38.5 1.0 43.3 4.0 33.6	43·1 49·4 36·5	35.6 41.9 30.2	34·3 40·9 27·1	41·4 47·3 36·2	32·8 37·7 29·8	37·4 46·3 28·9	\$8.8 46.8 31.2	50.3	45.6 54.6 38.6	43·5 51·8 37·4	43.5 50.4 38.6
Rain-fall in inches 0	87     93       0.02     0.15       1.5     5.3	88. 0·22 13·0	81 0·80 7·4	84 1·19 8·7	81 0·05 14·9	83 0·13 7·6	75 0·54 26·0	1		1	78 0·27 21·3	90 0·56 8·6

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., Ll.D., Plymouth: R. C. Cann Lippineett, Esq., Bristol; F. Sinpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Harthup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FIFTEENTH Week of the Year 1889.

				10.7	90) 010	ILL	**	OUA	of the Year 1889.									
or the years	. 5	Satur	day,	13th	Apri	1 188	9.	_		for the years		Satur	day,	18th	Apr	il 188	39.	
ges f		De	aths th	of P	ersor ges	15 01				1ge8 1e 10 3.*		De	aths th	of Po	erson ges	s of		
Average of the 1879-88.	B.				der 40.	der 60.	der 80.	and 8.	CAUSES OF DEATH.	Avera ks of th 1879-8	Б.	υ	nder 20.		der 40.	der 60.	der 80.	and B.
orrected 15th Wee		-J.	-6.	-20.	and	and	and	U Years		Jorrected 16th Wee		)-1.	.9-1	-20.	and	nn pur on	o and un	upwards.
1796.5		F							Diseases of Organs of	2.0	3	1	1	1	-	-	-	-
}17.2	-		-	- 1	-	1 1	-		Diseases of Circulatory }	112.2	135	1	-	8	24	43	49	10
56·9 21·3	72 13	12	52 7	8	-	-	-	-	Croup Bronchitts Pneumonia	14°0 272°4 123°8	10 169 86	46 19	9 20 25	1.4	5 14	21 16	61 8	12 1
0.0	-			1 )	-	-	-	-	Pleurisy - Other Diseases of Respi- ratory System	7°3 87°9	22	6	8	-	3 2	6	3	-
18.6	36 1	1 -	16 26 -	9	- 1	1 1 1	-	-	Dentition † Quinsy, Sore Throat † - Enteritis Peritonitis	21.0 1.5 5.8 6.0	14 - 5 7	10	4	- - 1	- 2 2	1	2 2	1111
15·6 0·1	10	9	- 1	3 -	7	-		-	Diseases of Liver - Other Diseases of Digestive System -	28.7	20 23	1 4	3	2	3	3	8	-
0°6	-	-	. 1 -	-	-	-	-	-	Diseases of Lymphatic System & of Duetless Glands †	1.7	1	-	1	-		-	-	-
0*2	- 8	- 4	3		-		-	-	Diseases of Urinary System -	38.2	46	1	1	-	5	18	20	1
3.0 2.3	2	1 -	1 1 1	- - 1	-	- 1 1	1 -	-	Diseases of Generative System Accidents of Childbirth -	6·2 5·5	4	-		1 - 1		2	2 -	- 1
2.4	2	-	2		-	-		-	Diseases of Locomotive   System †	7*8	6	-	1	1	2	1	1	-
0.3	1	-	1	_	-	-	-	-	Diseases of Integumen- tary System}	5.8	4	2			-	1	1	,-
1.5	1 6	1 -	-	-	3	3	-	-	VIOLENT DEATHS.§									
8;2	4	-	-	1	2	1	- 9	-	Fracture and Contusion Gunshot Wound Cut, Stab	28·1 0·2 0·7 6·2	20		6 -	8	5 - -	1 -	5 -	1 1 1 1
8.6 4.6	1 7	-	7			-	1 -	-	Poison	1'4 5'6 14'5 2'3	1 3 18 -	16		2 1	1 -	1111	1	
25.7 37.9	17 27	9 4	7 17	1 6	-	-	-	-	(HOMICIDE.)	1.3	8	1		-	2	_	-	_
18.4	152	2	5	4	2	1 3	3	-	(SUICIDE:)					-			-	
36·1 2·3	37	37	-	-	-	-	-	-	Cut, Stab Poison	1.6 2.1 1.3 1.9	8 7 2 7		11111	1 -	1 4 - 2	2224	1	1111
7·3 60·4	<b>4</b> 58	3 -	1 -	-	-	-	29	29	Otherwise	0.8	-	-	_	-		-	-	-
46.1	48	1	- 2	-	2 2	13	27	6 -	Hanging	0.0	-	-	-	-	-	-	-	-
54.2	97	38	12	7	5	15	36	3	OTHER CAUSES †	60.9	43	41	8		-	-	2	
	\$\\ \begin{array}{cccccccccccccccccccccccccccccccccccc	\$\frac{1}{2}\frac{1}\frac{1}{2}\f	1796·2	Time	The Week Saturday, 13th	The Week end   Saturday, 13th April   Deaths of Person   The Ages   Saturday, 13th April   Deaths of Person   Deaths of Person   Saturday, 13th April   Deaths of Person   Saturday, 13th April   Deaths of Person   Deaths of Perso	Saturday, 13th April 188	The Week ending   Saturday, 13th April 1889.   Deaths of Persons of the Ages   Persons	Second   Saturday, 13th April 1889.   Deaths of Persons of the Ages   Second   Sec	Saturday, 13th April 1899.   Deaths of Persons of the Ages   Deaths of Persons of Persons of the Ages   Deaths of Persons of P	Time	Trace	Time   Note   Property   Proper	True   Saturday, 18th April 1889.   Deaths of Persons of the Ages   Saturday, 18th April 1889.   Deaths of Persons of the Ages   Saturday, 18th April 1889.   Deaths of Persons of the Ages   Saturday, 18th April 1889.   Deaths of Persons of the Ages   Saturday, 18th April 1889.   Deaths of Persons of the Ages   Saturday, 18th April 1889.   Deaths of Persons of the Ages   Saturday, 18th April 1889.   Deaths of Persons of the Ages   Deaths of	Transport   Saturday, 18th April 1889.   Deaths of Peaths of Pea	Saturday, 18th April 1859.   Deaths of Persons of the Ages   Deaths of Persons of the Ages   Death of Ages	Saturian   Danis of Persons of the Ages   Danis of Persons of	Ta the Week ending   Part   Saluraky, 18th April 1889.   Packs of Persons of the Ages   Packs of Persons of Persons   Packs of Persons of Persons   Packs

the ten years average could not be correctly ascertained, the average for the seven years 1879-88, raised by 9°048 per cent. for increase of population, the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

Be cases of small-pox only are returned as "vaccinated" or as "unvaccinated which are so certified by registered medical men. When died attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered oner, the case is returned under the heading "no statement." evidence at inquests is often insufficient on statement."

To will be a tinquest is often insufficient to enable (the Coroner to certify whether a violent death be the result of accident, murder, uighter, or suicide. All such cases are classed under "accident or negligence."

Table 5. LONDON.—Population; BIRTHS; DEATHS from all Causes, and from Small-pox, Measles, Scarle during the Week ending

										-			=		tne	,,		
							The	DEA					Wen	K The	rade			-
DECITE ON A STATE OF	Enume-			Deat		-		1	,		hs fro	-	1	,	1		plia	808
REGISTRATION	Fopu-	тня	DEATH".	under 1	aged 60			er.		hooping-cough		(or	Ver.			Cases	Publia ons.	Uncertified Causes of Death.
SUB-DISTRICTS.	lation, 1881.	Вівтня	DEA		8 8 E	pox.		Fever.	eria	-guic		oid)	e eon	hœa.	106.		eaths in Institutio	titled eath.
		Total	Total	Kear	Persons Years	Small-pox.	easles	Searlet	Diphtheria	poot.	Typhus.	Enterie (0) Typhoid) F	Simple con-	Diarrh	Violence.	Inquest	Deaths	nt L
Andrew Spills , , and the second spills are the second spills and the second se		-	-	- In		20	M	90	_	*	-	N.	02	-	-	1-	-	2
LONDON	3,815,704	2509	1493	322	373	-	72	13	36	43	1	10	1	11	68	130	325	14
West Districts	667,638 905,947	364 555	255 824	42 64	81 79	-	11	7	2 10	6	-	2 2	1 -	8	11	29 30	77 60	-
CESTRAL DISTRICTS	282,238	153	112	22	24	-	8	-	3	2	-	3	-	1	12	11 25	80	-
EAST DISTRICTS	692,788	482 955	281 521	63	68	-	3 40	5	5 16	24	1	1 2	-	7	23	85	77 81	13
METROPOLITAN ASYLUM HOSP PITALS OUTSIDE REGISTRATION	-		-	-		-	-	-	-	-	-	-	-	-	-	-		-
West Districts.																		
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69889 37380	85 10	20 8	2 1	6 5	=	-	=	-	-	-	1 -	-	-	1	1	5	-
Kensington Town Ww W.M. Brompton H W.M. & C.		63 14	48 14	3	24 2	-	Ę	-	-	-	-	=	-	-	1	3	18	-
St. Peter Hammersmith W.M. St. Paul Hammersmith H W.M. St.J. Fulham Wow - W.M. & C.J.	7599 64340 42900	6 50 61	2 34 27	104	7 8		ĩ	-	.2	- 2	-	-	-	-	1 2	2 8	4 2	-
Chelses South HHH - C. Chelses North-west WHHHHH C.	0396 24925	15 14	10 20	4 2	4 5	-	ĩ	-	-	· •	-	-		-	1 -	1	1 12	-
Chelsea North-east	32807 30353	21	10	2	11	-		-	-	1	-	-	-	_	-	1	11	-
Belgrave WHHH C. St. John Westminster HHH - C.	85496	27 22	24 8	4 2 1	4	-	2 2 1	-	-	1	=	1 -	1 -	-	3	1	12 - 2	-
St. Margaret Westminster H - C.  St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N R.		11 5	7 7 3	1	3	-	2	-	-	-	-	-	-			3	-	-
NORTH DISTRICTS.	16608	7	8				1	_			_	-						
All Souls Marylebone HHHH - W.M. Cavendish Square HHHH W.M.	26759 14891	7 3	14 3 5	1 - 2	3		-	-	-	-	-	-	-		1	1 - 1	6	-
Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone IIII - W.M.	24809 21118 33700	84 19	11	3	2	-	1 -	=	-	-	-	-	-	-	2	- 2	-	
Hampstead WwwHHHH N.R. & W.M.	\$3638 45452	7 24	18	4	5	-	 	-	-	-	-	-	-	-	-	1	2	-
Regent's Park Paneras H W.M. Tottenham-court wHHHH N.R.&W.M. Gray's Inn Lane HHH - N.R.	39115 27729	24 13	10 14	2	8 4	-	-	-	1	1		-	-	-	1	1	5	-
Scmers Town H M.R.	80247 84369	12 14	10	2 4	4	-	1		-	1 -	-	-	-	-	2 2 2	3 2	3 2	-
Camden Town $WH$ N.R. Kentish Town $W$ N.R. Upper Holloway $WWwH$ - N.R.	17811 87487 67946	17 54 56	20 30 33	8 2	5 9	-	- 8	=	1	1	-	ī	-	2	2	2 4	11 10	
Islington South-west HH N.R. Islington South-east N.R.	100976 61895	71 43	82 21	9	6 5		8 -	1	2 -	1	-	1	-	1 -	1 -	6 2	2	-
Highbury $H$ N.R. Stoke Newington $H$ N.R.	52048 22781	80	10	3	5 2	-	2	-	-	1	-	-	-	-	-	-	-	-
Stamford Hill  West Hackney H  Hackney WwwwH  - E.L.&N.R.	9277 87610 76911	11 22 50	18 35	2 2 6	2 4 7	-	-	-	-	-	=	-	-		-	1	1 16	-
South Hackney E.L.	39883	81	14	2	2		-	5	1	-	=	-	-	-	1	2	-	-
St. George Bloomsbury N.R. St. Giles South WH N.R.	16681 14864	8 5	4 6	1 2	2	:	-	-	-	1	-	ī	-	-	-	ī	- 2	-
St Martin-in-the-Fields HH N.R & C	13837	6	2 5	=	1 2	-	1	-	-	1	=	-	-	-	=	-	2	-
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	3 2	7 2	1	- 2	-	=	=	-	-	=	-1	=	-	ī	1	4	=
St Gene-the-Martyr HHHHHHH N.R.	18671 10706	13	10	1	1	-	-	-	1	-	-	-	-	-	1	1	6	-
St. Andrew Eastern W N.R. Saffron Hill H N.R. St. James Clerkenwell N.R.	6588 17516	10	6	1 2	3 1	-	=	=	=	-	-	-	-	=	-	î	1	-
Amwell Clerkenwell N.R. Pentonville N.R. Caswell-street N.R.	19281 14778 17506	16 17 17	9 6 4	3 1	5	-	-	-	=	-	=	-	-	=	-	1	-	-
Old-street H N.R. City-road HHL N.R. Whitegross-street N.R.	11541 1862E	10	9	5	1	-	-	-	=	-	-	-	-	-	- 2	2	-	-
City-road HHL N.K. Whitecross-street N.R. Finsbury - N.R. Holborn Union Workhouse, Mitcham. w.	1 6917	6 2	1	1	1 -	-	-	-	-	-	-	=	-	-	-	-	-	-
St. Botolph H N.E. &E. i	11174	5 1	5	-	-	-	2	-	-1	-	-	-	-		-	-	1	
St. Sepulchre H N.R. St. Bride W N.R.	5858 8896	4	11 2 3	-	- 2	-	=	-	1	=	=	-	=	-	-	1	11	
Allhallows Barking - N.B. Broad Street H N.R.	18666 5652	4 -	3	ī	1	-	-	-	-	-	-	1	-	=	=	-	-	-
									-			•					1	1

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse H—Hospital; L—Lunatic Asylum; 10—A Workhouse Establishment receiving impates from other Districts than that in which it stands so note at the foot of next page. The Homan capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. E. New River; E. L. East London; and K. the Kent Company.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRIEA, VIOLENCE, &c., registered in each Sub-district

Saturday, the 13th April, 1889.		- 1									3.00			acu	508	-01	) I'KU	J L
						-	The	DEA		egiste			Wee	k incl	ude			
DWGYDWD AMYDY	Enume-			Deat	hs of			·	1	Death	s from	1	1 1				0	8
REGISTRATION 8UB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHE.	Total DEATHS.	Intents under Year of Age.	Persons aged 60   Years & upwds.	Small-pox.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enterie (or Typhoid) Fewer	simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death
FAST DISTRICTS.  Polywell Shoreditch — N.R. & E.L. St. Leonard Shoreditch HL® — N.R. HOXton New Town w — — N.R. HOXton Old Town — N.R. Haggerston WH — N.R. & E.L.	7376 14967 29937 28036 46275	5 11 19 14 33	2 8 22 10 22	- 1 5 3 5	2 1 9 2 7	11111			1	11111	11111	11111	11111	1111	1 1 1 2	2 3	- 5 11	1
Hackney-road H E.L. Green, Bethnal Green WHL* - E.L. Church, Bethnal Green E.L. Town, Bethnal Green E.L.	29738 47932 29981 19310	24 86 28 17	10 19 6 4	5 3 2	26 -	1111	1		1111	1 -	1111		1111	1111		1 - 1	3 -	
Spitalfields E.L. & N.R. Mile End New Town W Whitechapel Church H E.L. & N.R. Goodman's Fields E.L. Aldgate - N.R. & E.L.	22585 15478 17490 9713 6102	11 14 10 5 4	8 10 24 2 1	1 1 1 -	2 2 1	11111	1	11111	1	11111	1 1 1 1 1	1111	1111	1111	4 -	5 -	7 21	11111
St. George's North E.L. St. John, St. George East W - E.L.	88747 8410	24 3	5	5 -	2 2	-	-	÷	-	-	-	-	-	-	-	1	3	-
Shadwell HH E.L. & N.R. Rateliff E.L. Limehouse E.L.	10895 16107 32041	18 8 21	6 7	2 2	1	1 1 1			- 1		111			1 1 1		-	8	-
Mile End Old Town West - E.L. Mile End Old Town East WwwH-E.L.	87960 67653	18 44	12 28	5 9	2 7	-	-	Ī.	1	-	-	1 -	-	ĩ	-	1.	8	-
Bow E.L. Bromley $wwH$ E.L. Poplar $WWH$ E.L.	87074 64359 55077	27 49 44	14 80 23	2 5 4	4 7 5	111	1		1 -	1 1	1.1.1	-		1 1 1	8 8	- 6 5	11 1	-
SOUTH DISTRICTS.   Christchurch Southwark   WH   L. & S. St. Savious Southwark   - S. & L. St. Peter Walworth   - S. & L. St. Peter Walworth   S. & L. St. Mary Newington   - S. & L. St. Mary Newington   L. & S. L. St. Mary Newington   L. & S. L. St. Mary Newington   L. & S. & L. St. Mary Newington   L. & S. & L. St. Mary Newington   L. & S. & L. & S. & L. & St. Mary Newington   L. & S. & L. & St. Mary Newington   L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S.	18663 14999 21381 15958 21318 26672 59555 21623	5 7 14 13 8 14 84 22	6 4 15 13 2 8 22 10	2 2 3 4 - 1 6 1	1 3 2 - 3 6 1		3 1 - 1 1 3		11,11	1111111		Hirmin	11111111	1	1	2 1 2 1	2 1	1
St. Olave WH S. Leather Market S. & L. St. Mary Magdalen W - S. St. James Bermondsey - S. Rotherhithe WH S. & K.	11956 16800 15669 54682 36024	16 10 18 40 36	17 9 5 16 20	8 4 1 5 8	1234	11111	1 1 2 2	1	8111	1 3	1.1.1.1			11111	2	2	15 - - 6	- 1 -
Waterloo-road 1st H - L, & S, Waterloo-road 2nd H - L, & S. Lambeth Church 1st H - L, & S. Lambeth Church 2nd WW - L, & S. Kennington 1st - S, & L, Kennington 2nd - S, & L, Brixton ww - L, & S, Norwood W - L, & S.	15195 16351 19876 39859 45232 85832 62837 19017	14 24 7 33 24 24 47 12	3 20 25 14 7 13 4	3 5 6 7 1 5	3 11 2 4 6	********	2 1 1	1	1,1111611	2 - 1	1111111	1111111	1111111		1 1 1	1 2 1	10 11 -	1 1 2 -
East Battersea	54675 52587 86380 28004 13235 25553	48 52 22 13 6 19	14 23 16 8 1	6 6 - 1	1 7 6 4 - 2	11111	1 - 1	1,11111	11111	-	111111	111111	11111	1	3 1 1 -	4 1	2	1 1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5590 59104 71089 50810	3 38 54 30	35 24 19	7 4 6	1 11 8 1	1111	1	1111	1	5 1 2	1111	1	1 1 1	1		- 2 2	14	- 1 -
St. Paul Deptford www K, St. Nicholas Deptford K, Greenwich West H K, Greenwich East WHH K,	76752 7901 21972 24603	80° 7 16 22	27 3 10 24	8 1 8 8	3	1111	2 - 4	1	- 1	2 - 2	1	-		2	1 1	1 1	1 - 14	1 1 1 1
Eltham $H$ K. Lee $H$ K. Lewisham $WH$ K. Sydenham $H$ L.	5048 21559 19865 26076	2 12 28 26	1 5 8 12	1 1 3	1 2 2	1 1 1 1	3 -	1	1111	1	1 1 1 1			1111	1111	- - 1	1	- 1
Charlton H K. Woolwich Dockyard K. Woolwich Arsonal HH K. Plumstead, West H K. Plumstead, East W K.	10930 17617 19048 14009 19241	11 11 12 7 19	6 4 4 4 24	1 1 - 7	2 1 1 1 5	11111	1 7	1 -	ī ī			11111	1 1 1 1 1	1111	2	2	4	î -
Metropolitan Asylum Hospitals:  Dardford w Winchmore Hill w	-	1 1 1	-	-		1+1		-		111			111	111	- 1 -	111	7-7	1 1 1

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the above Table by 10:-

Marylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum in Tottennam Court-road sub-district.
Holborn Infirmary in Upper Holloway sub-district.
London City Workhouse
Holborn "Hoxton New Town sub-district.
Whitechapel "Mitted and Old Town Eastern sub-dist.
London City "Mitted Bond Old Town Eastern sub-dist.
Private Lunatic Asylums in which paupers are received.

Stepney Workhouse in Bromley sub-district.

Popiar & Stepney Siex Asysum
Westminster Union Industrial School in West Batterses sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmacy in Cambervell sub-district.

Mctropolitan Asysum. District Hospitals in Fulnam. Hampstead, Hackney, Brixton, and St. Paul, Deptyord sub-districts, and in Dartford,

Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6.-LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

	201120111			Weel	k endi	ing S	aturd	ay, 13	3th A	pril,	1889.							1
'ogis-		Area			1			7	The DE	ATHS	registe	red in	the W	Teek in	nelude		1	
ration		in Acres,	Enume-			Dent	hs of				Deaths	from						910
District and Sub- listrict Num- bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Foreshore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes
LON	DON - OUTER RING	370,924	950,957	835	352	76	98	-	12	1	6	2	4	1	15	24	41	7
80:1 3	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	9	18	1 -	5	-	-	-	-	-	-	-	2	2 -	12	4.
37:1	Godstone (part of) * -	2754	1235	2	-	-		-	-	-	-	-	-	-	-	-	-	9
38:1	Croydon WwHHL - Mitcham w †	20851 11697	101241 17982	66 13	27 8	5 1	6 2	2 * .	1	-	1 -	-	7		-	-	1. 	.1,
89:1	Wimbledon HHH -	3220	15950	12	1 10	4	2	-	-	-	-	-	-	-	-	1	-	I
8	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	33	1	-		-	-	-	-		-	-		-	-	8 -3
40:1	Hampton H Richmond WH	4878 2972	13539	10	8		1 5	-		-	-	_	~		1	1	2	
2	Mortlake	2941	12331	16	4	3		-	-	**	-	- 1	-	-	- ``	-	-	0
41:1	Bromley (pt. of) * HH Chishrst(pt. of) * WHH	15669 14307	31142 15844	21	10	2	3	-	-	on .		_	~-	7 7	1 -	1	3	of sects
42:1	Bexley H	18437	24134	16	9		2	-	8	-	-	-	1	-	-	-	-	- Joseph
2	Dartford (Ww, pts. of)*		-	-	-		3	-			_	_	-	1	-	_	-	-
124: 1	Staines W	11055	11685 12089	2 δ	5 5	2	-	-	-	-	-	-	-	-	-	-	-	-
125:1	Hillingdon WHH -	6029	10802 5225	5	3 2	1	1	,		-	2	1	-	-	, ,	-	-	1
8	Uxbridge Hayes wHL	6178 14587	11528	4	7	-	2	-	-	~	-	-	-		-	-	3	1
126:1	Isleworth WHH -	7008 2477	22727 12479	17	11	2	6	~ `	-	-	-	_	-	-	-	2 -	3 -	-
8	Twickenham H Brentford HL	4345	27649	25	12	5	2	-	2	1-	-	-	1	-		-		-
4 5	Chiswick Acton wH	1340 6083	15975 22876	15 18	10 7	3'	1 2	_	-	-	-	_	ì	-	1 -	1 -	-	4 9.
127:1	Harrow H	13809	12796	9	2	1	-	-	-	-	-	-	-	-	-	-	-	-
2 3		6994 4383	3749 27453	2 35	1 14	5	5	-		-	_	-	-	-	1	2	-	100
4	Hendon W	8382	10484	3	2	1	1	~	-	-	-	-	-	-	1	1	-	-
137:1		9331	6621	8	-	3	-	-	-	-	-	-	-			-	-	
128:1		15599	6391	9	4	-	1	-	-	-	1	-	-	-	-	-	-	1
3	Barnet	5433 4688	10092	6	3 10	1	2	-	-	-	-	-	-	-	2	1	7	
135:1		3306	583	0	10	-	-	-	-				-	-	-	-	-	
129:1		3039	37078	26	11	4	2	-	1	-	-	1	-	-	1	2	-	
3		4642 7483	46456 23463	80 29	13 12	5	2 4	-	-	-	-	-	-	-	1	1 2	3	
	Enfield WH	12653	19104	30	5	-	1	-		-		-	-		-	-	-	
1		11017	5363 7785	1	2	-	2	-	-	-	-	-	-	-	-	-	-	
186:1	Stratford	882	38606	29	9	4	1	-	-	-	-	-	-	-	-		-	1.
	West Ham wwwwH\$-	1	101053 32430	138	3 ± 21	11 4	38	-	2	-	1	-	1	-	2	3	7	1
	Waithamstow H -	6520		36	13	3	4	-	-	1	-	-	-	-	-	-	-	
187 =	Chigwell (part of) * H Epping (W, pt. of)*	11761	9653	5 -	9	1	2	-	3	-	-	-	-	-	1	2		
189:	Romford (part of) * H				4	-	1	-		-	-	-	_		-	-	-	
_	2 Ulford 3 Barking Town -	- 8493 - 4127			3	1	2	-	-	1:	-	-	-	1	-	-	-	
	Data Ling Town	4141	9203	1 3	1 8	1 1	-	1 -	1 -	1 -	-	-	1 -	1 -	1	1	-	1

<sup>•</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are a tollow.

30: 2, Epsom sub-district, except the parishes of Ashatead and Headley (pop. 1265); 37: 1, the parishes of Warlingham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1935); 41: 1, Bronniey sub-district, except the parish of Esher (pop. 1935); 41: 1, Bronniey sub-district, except the parish of Chelsfield (pop. 1947); 135: 1, the parish of Northaw in Hatdel sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Eois (pon. 375): 189: 1, the parish of Dagonham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 187: 1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

<sup>‡</sup> Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5). Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 13th April, 1889.

							_		_	_	_	_	-	-		_	
				ANNUA	LRATE			The DE	ATH8	regi	stered	in th	he W	eek i	nelud	е	
		Area in Acres,	Estimated		Diving.	DEATHS	Deat	hs of			I	eath	s from	n			Public ions.
	GREATER LONDON.	including tidal	Population, middle of			from	Infants	Persons	-pox.			ris.	-gu		38.	1	6 2
	LORDON.	water	1889.	From All	From Diseases in Cols.	CAUSES.	under 1 Year	Years and	Small-p	Measles	Scarlet Fever	Diphtheria	Whooping-	Fever.	Diarrhoss	Violence	Deaths i
		foreshore.		Causes.	8-14.		of Age.	upwards.	Sm	Me	Sea	Dig	N N	Fe	Die	Vio	I) e
	Cols.	1.	2.	3.	4.	δ.	6.	7.	8.	9.	10.	11.	12.	13.	11.	15.	16.
	AMERICAN TONION	448,334	5.642.015	17.1	2.0	1845	398	471		84	14	42	45	16	12	83	366
K.I	EATER LONDON	440,004	5,042,015	11.1	20	1040	090	7/1		01							
1	INNER LONDON -	77,410	4,351,738	17.9	2'2	1493	322	373	-	72	13	36	43	12	11	68	325
(	OUTER RING -	370,924	1,290,277	14.5	1.1	352	76	98	-	12	1	6	2	4	1	15	41

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 5 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,564,302 Persons.

_		Communica 1	-68	og									
	,	~					DE	ATHS	FROM D	PRINC	ES.	ZYMO	_
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETUE Week endi	1	BIRTHS.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrheal Diseases.
CALCUTTA	433,219	-	-			· -	-	-	-				
BOMBAY	773,196	March	19	234	445	25.7	11	32	5	2	5	146	†23
MADRAS	398,777	v	1	261	385 -	. 50°2	2	34	P	5	5	77	194
PARIS	2,260,945	April	6	1206	1021	23.2	3	52	2	38*	14	7	52
BRUSSELS vith 8 Faubourgs.)	471,606	99	6	284	175	19.3	-	2	-	3	2	1	7
AMSTERDAM -	390,016	97	6	302	167	21.7	-	9	1	4	2	-	-
ROTTERDAM -	197,728	,,	6	129	85	22.3		2	-	-		-	
THE HAGUE .	153,440	n	. 6	90	62	21.0	-		-	-	1	.1	-
COPENHAGEN -	307,000	March	30	220	145	24*6	-	1	-	6	2	9	7
STOCKHOLM -	221,549	99	30	163	83	19.5	-	-	2	-	2	1	8
CHRISTIANIA -	185,60)	April	6	82	45	17.3	-	1	1	2	3	-	2
ST. PETBESBURG	842,883	March	30	-	635	39.3	-	-	15	11	2	14	81
BRRLIN	1,470,582	**	23	921	671	23.7	-	5		20	16	11	112
HAMBURG(State)	550,694	19	30	444	287	27.2	-	1	1	10*	2	5	2
DRESDEN	264,196	39	30	148	104 :	20.2	5		1	7*	. ~		7
BRESLAU	313,451	April	6	212	176	29.4	-	1	- 6	7* 11*	1		19
MUNICH	281,000	March	30	208	180	33.0	-	11	5	5	4	2	19
VIENNA	811,434	. 99	30	613	422	27.0	-1	2	9	6	. 2	1	1
PRAGUE	304,356	90	30	-	167	28.6	16	9		4		4	23
BUDA-PRSTE -	452,907	,,,	80	335	269	30.9	-	_					1
TRIESTE	158,084	"	30	- '	78	25.7	1					40	8
Romu	401,044	February	23	304	239	31.0	3	7		8	1 5	‡6 2	9
TURIN (10 days)-	306,398	March	20	247	208	24.8	-	-	-	2	4	2	5
VENICE	153,375	**	30	100	81	27.6	2	4		1	2	15	95
CATRO	374,838	25	21	399	319	44.4	5	1		3* 2*	1	11	55
ALEXANDRIA -		99	21	197	228	51.4	-	13	1				
NEW YORK -	1,549,500	23	23	-	822	27.7	-	16	59	42	17 14	5	16
BROOKLYN -	814,505	1)	23	-	352	22.6	-	10	9	21	2	14	5
PHILADELPHIA -		39	23	-	412	20.7	-	-	11	2	2	5	
RALTIMORE	500,343	99	23	-	160	16.7	-	.1	3	-	-		

Including deaths from croup.
 Including 2 deaths from cholera in Bombay, and 15 in Madras.
 Including 4 deaths from malarial fever.

TABLE V.—MEIDUROLOGICAL ODODIVATATORO GARGE SU GERVALORI, GERRANDE, GERRANDE INC. WERE CHAING CRUICELY, 10TH APRIL, 1889.

[Under the Superintendence of the Astronomer Royal.]

-									-				yu	f)	servan								
-		Ozone.			0.9	0.0	0.0	0.0	0.0	1.0	0.0	0.15	27	the sea; no	of the er, are assion r, and	imum ie air	duced Lygro-	raphic ement " and	below and	The and	works	to the	11 111.
Rain	in a	whose receiving	5 inches above the Ground.	in.	00.0	0.02	61.0	0.19	00.0	0.03	0.10	Sum 0.26	26	of the se	means crimometen a discu	the max	sher's H	photogratal move 1875.	vo feet l Deptford	cometer.	rument,	pplying 1	07 00 WO
			Departure from Average of 16 Years.	Miles.	-100	- 22	09 -	-203	-166	<del>19</del> -	+ 81	Sum -533	25	ın level o	M. The oulb the need from for the boundary	lings of	by Glan	n of the horizon ending 1	th of tw rket at I	ig Electi lerate; s	ine Inst	ood as a	k.
· ·		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	193	270	230	23	193	224	369	Sum 1495	24	e the mes	the wet kions dedicate 1873	f the reaction of tel	iometers	discussion distributed that of 16 years hat + in	uspended at a depth of two feet be foreign Cattle Market at Deptford, a Market, under instructions from	registerir	es Sunsh	underst	f the wee
nometer		he .	Mean of 24 hourly obs.	lbs.	0.0	0.5	0.0	0.0	0.0	0.0	₹.0	:	23	et abov	P.M.; and correct ars end	ly val	thern	rom a. 868, an for the	pended reign C arket,	's self- weak	11-Stok	e to be	e end o
m Anen		Pressure on the Square Foot.	Least, h		0.0	0.0	0.0	0.0	0.0	0.0	0.0	1:	2.3	159 fee	n; 3h, nomete ion of nty ye	ected and dai	t bulb	nding licords	re sus he For	omson ve; w.	ampbe	ons ar	by th
uced fro		Pressi	Great.	-	2.0	6.2	9.0	0.0	1.3	1.2	6.2	:	21	eter is	thern opplication the the	ne corr	nd we	nat del ears er etric re be bor	ames as of the of	om Th negati	the Co	servati om 29.	.55 in.
Wind as deduced from Anemometers	Osler's.	General Direction.	P.M.		E. & ESE.	ĕ	E. & ESE.	Variable.	SSW. SSE.	NE. & NNE.	N. & NNW.	NE.	20	The height of the cistern of the barometer is 159 feet above the mean level of correction has been applied to the readings to reduce to sea level.	Observations are usually taken at 9h. A.M.; noon; Sh. P.M.; and 9h. P.M. The means of the eye-readings of the bearmoneter, the dry bub thermometer, and the week bulb thermometer, are converred into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 18% for the absonates and during the twenty wears ending 18% for the absonates and during the twenty pears ending 18% for the absonates and	of the dry bulb thermometers combined the corrected mean of the reatings of the maximum and minimum thermometers, forming the mean daily value of the pragrature of the air column st. The mean daily value of the pragrature of the air column st. The mean daily column thermometers, forming the mean daily value of the part of the air column thermometers, forming the mean daily value of the part of the air column thermometers.	from the mean daily values of the dry and wer built bliermometers by Glaisher's Hygro- metrical Tables.	The avergage temperature of the art is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anenomedric records for the 16 years ending 1875, In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jettles of the Foreign Cattle Market at Depford, and their readings are registered by the Clerk of the Market, under instructions from the	orporation of London.  The record of Bleetricity is derived from Thomson's self-registering Electrometer. The symbols employed are :—P. positive; N. negative; w. weak; m. moderate; s. strong; and	Y. Variabole. The unmbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.	The results of all the meteorological observations are to be understood as applying to the viday, or from midnight to midnight.  The reading of the barometer decreased from 29.25 in. at the beginning of the week to writt is.	by 9h. P.M. on the 8th; and increased to 29.55 in. by the end of the week.
			A.M.		NE. & E.	ENE. & E.	E.& ENE.	E. & N.	S. & NE.	E.& ENE.	NNE.	E. &	19	the cistern	are usually te the baromete mean daily work ohic records recor	thermometer thermometer	daily values	Greenwich of discussion of the columns 9	The thermometers in the wat the surface, at the end of one their readings are registered	f Electricity red are :P.	in column 29 uration of bri	The results of all the meteorological civil day, or from midnight to midnight.  The reading of the barometer decreased	he 8th; and
3	Water	of the Thames at Deptford.	Low.	0	45.9	46.1	47.7	4.14	47.3	46.9	46.8	47.0	18	ght of	utions ags of 1 into tograf	bulb t	mean Lables	erage rade at from a ing th	rmom re, at t	on of I	e. mbers gate di	or fror ding of	f. on th
RATUR	Of the	of the at De	High.	0	48.4	48.8	1.64	48.1	48.1	6.44	6.24	48.4	17	the hei	bserva reading rested	he dry	m the	ords more are are are are are are are are are a	the the surfacility reads	porati he re abols	v. variable. The num the aggrega	the residence.	9h. P.3
TEMPERATURE		Radiation.	Lowest on the Grass.	0	37.0	37.0	8.14	0.98	58.6	28.3	38.5	35.8	16	Cor	eye of t		n Program	of		Sy Too	at the	civ	by
T			High- est in Sun's Rays.	0	115.0	2.06	2.89	53.7	2.06	102.6	0.64	85.5	15			ing an		sligh;	in morning;	ht.			
	Degree of Hu-		equals 100).		80	83	16	100	89	06	200	06	14	2		y morn		ternoon	fog in m	at nig	in morning and		
tween	the Air Temperature and Dew Point	ire.	Least.	0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.3	13	MARE		in early morning and		Gloomy in afternoon; slight	slight fe	Occasional rain at night.			
ence be	r Temp	mperatu	Great-	0	12.4	11.4	6.3	1.5	2.01	0.6	13.0	8.7	12	IL RE	y.	Showery		Gloon	with	Occasion	Showery		
Differ			Mean daily value.	0	-4 00	4.9	2.0	0.0	6.7	00.0	4.3	6.6	11	GENERAL REMARKS	Fine; partially cloudy.		Showery.	Showery.	Cloudy till afternoon, ne afterwards.		reast.		. /
	Of the	Point.	Mean daily value.	•	39.5	42.1	43.1	6.14	39.5	41.2	87.1	40.5	10	GE	partiall	Generally cloudy, night.		st. She	till aft wards.	Generally overcast.	Generally overcast.		
RE.		-	parture from Average of	0	1 2.8	7 0.5	- 3.1	0.9 -	6.7 -	1.8 -	20.20	- 3.5	6		Fine;	Genera at night.	Overcast.	Overcast. fog at night.	Cloudy till aff	Genera	Genera night.		
TEMPERATUE	Air	-	Mean daily value.		44.0	47.0	43.8	41.9	42.1	44.0	41.4	43.5	00	Registered Sun above Sunshine, Horizon, in hours.	13.3	13.4	13.4	13.5	13.6	13.6	18.1	Sum 94.5	80
TEMP	Of the Air	TO TO	Daily Range.	-	16.0	14.9	1.4	5.1	12.0	15.4	7.6	11.9	7	red Su ne, H rs. in									
		-	Low-		87.5	40.5	41.3	9.68	35.5	87.0	8.88	9.88	9	Registe Sunshi in hou	6.4	7.0	0.0	0.0	0.3	1.3	0.5	9.8	239
-		-	High-	-	53.5	55.1	48.7	44.7	20.2	52.4	48.2	20.4	20	1. of te.)				eter tion {					
BARO-	Mean	reading (cor-	and re- duced to \$2° Fahren- heit).	in.	_	971.67	29.212	29.330	29.336	29.419	29.537	29.320	4	ELECTRICITY. (For explanation of symbols, see Note.)		,iii		The electrometer was not in action throughout the week.					88
	Phoone	of the	Moon.		Oreatest N.	First Qr.	:	:	:	:	:	:	3	ELE (For e.				The was no					
-	3. :		AND		-	00	6	10	11	12	13		!		10,	00	6	10	=	12	13		
	1889.		Монти Анд	APRIL	SUN.	Mon.	TUES.	WED.	THURS	FRI	SAT.	MEANS	No. of Col	DATE.	SUNDAY	MONDAY .	TUEBDAY .	WEDNESDAY	THUREDAY.	FRIDAY .	SATURDAY.		No. of Col.

LONDON: Printed by EYRR and Stottswoods, Printers to the Queen's most Excellent Majesty. For Her Majesty's Stationery Office.

### OFFICIAL COPY.

### RETURN WEEKLY

#### LONDON DEATHS IN AND BIRTHS

AND IN

#### OTHER GREAT TOWNS. TWENTY-SEVEN

# By Authority of the Registrar General.

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No. 16. 1889. Vol. L.]

WEEK ENDING SATURDAY, APRIL 20.

Price 11d.

General Register Office, Somerset House, 23rd April, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19.4 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

Dollows J was a series		Weeks	ending	. 1			Weeks	ending	
Towns.	Mar. 30.	Apr. 6.	Арг. 13.	Apr. 20.	Towns.	Mar. 30.	Apr. 6.	Apr. 13.	Apr. 20.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull - Leeds - Leicester* -	21·2 23·2 26·8 22·4 17·6 19·6 19·4 12·7 13·5 21·4 19·3 22·6	21·5 30·6 25·9 20·9 12·9 19·3 19·0 21·2 17·4 21·4 18·1 23·9	13·7 22·6 30·1 21·8 17·8 20·1 17·1 18·1 14·8 19·3 22·5 15·6 24·5 15·9	19·4 28·0 21·8 20·4 12·0 18·7 23·1 17·5 16·7 21·9 18·3 23·6	Oldham - Plymouth - Portsmouth - Salford* - Sheffield - Sunderland -	17·7 30·3 24·0 19·3 18·9 25·7 27·4 17·4 28·0 20·3 21·8 19·8	19·9 18·8 27·8 20·7 19·3 17·8 26·4 18·0 16·3 30·0 20·7 24·9 18·3 22·8	17.9 28.1 28.2 16.6 20.2 25.3 20.0 20.3 31.0 17.6 21.8 22.9	17·1 28·6 25·6 16·6 19·7 24·6 26·0 19·9 37·6 24·1 19·3 17·1

The highest annual death-rates, measured by last week's mortality, were :--from measles, 2.8 in Huddersfield, 3.0 in Blackburn and in Preston, 3.6 in Bolton, and 4.0 in Manchester; from scarlet fever, 1.0 in Sheffield, and 1.7 in Blackburn; and from whooping-cough, 1·8 in Oldham, 1·9 in Cardiff, 2·0 in Nottingham, 3·5 in Preston, and 4·0 in Plymouth. The death-rate from "fever" did not reach 1·0 in any of the twenty-eight towns. The 42 deaths from diphtheria in these towns included 22 in London, 6 in Salford, 4 in Bolton, and 3 in Manchester. Small-pox caused no death in any of the twenty-eight great towns.

LONDON.

In London 2488 BIRTHS and 1426 DEATHS were registered. Allowing for increase of population, the births were 356, and the deaths 322, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 18.8 and 17.9 in the two preceding weeks, further declined last week to 17.1. During the first three weeks of the current quarter the death rate averaged 17.9 per 1000, and was 3.7 below the mean rate in the corresponding periods of the ten years 1879-88.

A 58256,-3. 610.-4/89. Wt. 14.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salf rid, and bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

The 1426 deaths included 70 from measles, 10 from searlet fever, 22 from diphtheria, 51 from whooping-cough, 6 from enteric fever, 10 from diarrhea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or cholera; thus, 169 deaths were referred to these diseases, being 69 below the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 19; no small-pox patient was under treatment at the end of the week in the Metropolitan Asylum Hospitals, or in the Highgate Small-pox Hospital. The deaths from measles, which had been 56, 74, and 72 in the three preceding weeks, declined again last week to 70, but exceeded the corrected average by 8; 4 belonged to Westminster, 9 to Islington, 4 to Whitechapel, 4 to St. George Southwark, 4 to Bermondsey, and 9 (excluding 2 deaths referred to German measles) to Greenwich sanitary areas. The 10 fatal cases of scarlet fever showed a further decline from the numbers in recent weeks, and were 13 below the corrected average; 3 belonged to Islington sanitary area. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 570 scarlet fever patients, against numbers ranging in the preceding twenty-two weeks between 980 and 569; 50 cases were admitted to these hospitals during the week, against 41, 47, and 56 in the three previous weeks. The deaths from diphtheria, which had been 18, 26, and 36 in the three preceding weeks, declined again last week to 22, but exceeded the corrected average by 6; 2 belonged to Marylebone, 2 to Whitechapel, 2 to Newington, and 2 to Lambeth sanitary areas. The fatal cases of whooping-cough, which had been 49 and 43 in the two previous weeks, rose last week to 51, but were 37 below the corrected average; 5 belonged to Pancras, 5 to Hackney, and 7 to Camberwell sanitary areas. The deaths attributed to diarrhæa and dysentery, which had been 17 and 11 in the two previous weeks, further declined last week to 10, and were 6 below the corrected average.

The deaths referred to enteric fever, which had increased in the four preceding weeks from 4 to 10, declined again last week to 6, and were 5 below the corrected average. The Metropolitan Asylum Hospitals contained 30 cases of enteric fever, and 2 of typhus on Saturday last; no case either of enteric fever or of typhus

was admitted during the week.

The deaths referred to diseases of the respiratory organs, which had been 364 and 294 in the two preceding weeks, were last week 299, and were 105 below the

corrected weekly average.

Different forms of violence caused 57 deaths; 46 were the result of negligence or accident, among which were 18 from fractures and contusions, 7 from burns and scalds, 4 from drowning, and 12 of infants under one year of age from suffocation. The 18 deaths from fractures and contusions were thus caused:-- 3 by accidents from vehicles in the street; 1 by kick of horse; 2 by accidents on railways; 2 by fall from window; 1 by fall from landing stage; 1 by fall from ladder; 1 by fall while walking; 1 by fall into well of lift; 1 by fall in room; 1 by fall on fender; 1 by fall at birth; 1 by blow on head; and 2 by fractures, the cause of which was not stated. An inquest was held in each of these 18 cases except one of the last two. Ten cases of suicide were registered, corresponding with the corrected average.

GREATER LONDON.

In Greater London 3209 births and 1800 deaths were registered, corresponding to annual rates of 29.7 and 16.6 per 1000 of the estimated population. In the Outer Ring 11 deaths from whooping-cough, 10 from measles, and 6 from searlet fever, were registered. Four fatal cases of measles and 4 of scarlet fever were recorded in West Ham sub-district.

# METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.83 ins.; the lowest reading was 29.55 ins. at the beginning of the week, and the highest, 30.06 ins. on Friday morning. The mean temperature of the air was 46.5, and 1.3 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on each of the first four days of the week, but showed an excess on Thursday, Friday, and Saturday. The direction of the wind was variable, and the horizontal movement of the air averaged 11.3 miles per hour, which was 0.9 below the average in the corresponding weeks of 16 years. Rain fell on Sunday, to the amount of 0.10 of an inch. The duration of of 16 years. Rain fell on Sunday to the amount of 0.10 of an inch. The duration of registered bright sunshine in the week was 12.5 hours, against 19.5 hours at Glynde Place, Lewes.

GREAT TOWNS, during the Week ending 20th April, 1889.

							В	irths	, L	)eat	us,	'M	etec	rol	logi	<i>y</i> •						_				-1	
	CITIES	BOROUGHS,	Cols.	- 28 TOWNS.	LONDON.	BRIGHTON. FORTSMOUTH.	Norwich. Plymouth.	BRISTOL. WOLVEBHAMPTON.	BIRMINGHAM.	LEICESTER. NOTINGHAM.	DERBY.	LIVERPOOL.	BOLTON.	MANCHESTER.	OLDHAM.	BLACKBURN.	HUDDERSFIRED.	HALIPAX.		SHEFFIBLD.	HULL.		CARDIFF.	EDINBURGH.		-1	
ALIE.		In Centi-	24.	1.24	0.52	00.0	00.0	0.00	1	0.30	1	0.30	1	1	1 1	1	1 1	1	0.13	1 )	0.08	00.0	1	100			
RAINPALL		·sodoni ni	23.	0.49	0.10	00.0	00.0	20.0	•	0.12	1	0.12	1	ı	1 1	1	1 1	1	0.02	1 1	0.03	00.0	1	90.0			
AIR.	n.	Centigrade.	22.	19.9	8.11	6.20	1 60	7.73	1	6.83	1	71.1	1	ı	1 1	1	1 1	1	6.20	1 3	68.9	2.56	1	00.0		7.44	
OF THE	Mean	.tiednerda?	21.	43.0	46.5	43.7	6.97	45.9	1	- 44.3	1	44.9	1	١	1 1		1	1	43.7	1 1	44.4	9.98	3 1	1	47.2	45.4	
TEMPERATURE OF THE AIR.	*35*	be It Lower	20.	30.7	9.78	32.5	- 0.07	34.2	1	- 24.0		1 26.0	3	1	1	1 1	1	1 1	33.8	1 1	81.0	- 38.0	000		33.2	27.8	
EMPER	.38	Fahrenheit Lower	19.	66.1		22.0	6.69	~		- 60	9 1	1 2	1	1	ı	1 1	1	1 1	58.5	ı	0.29	1 2	70		61.5	16.69	
9	eaths	From Diseases in Cols. 6-12.	18.	2.4	0	6.0	1.7	1.1	3.	0.3	0.5	1.2	8.9	30	4.5	6.5	0.8	, 7 , 8 , 8	2.0	2.5	21 63	4.0	4 63		9.1	1.5	
DEATHS, and METEOROLOGY in 28 GREAT LOWNS, during the control of Annual Rate per 1000.	corresponding to the Week's Death	From All	17.	19.4	17.1	0.51	16.6	18.7	19.4	13.6	12.21	14.2	8.17	28.6	1.46	24.6	9.48	21.9	20.4	28.6	18.3	1.41	25.6		29.5	23.2	
	1:11383	ohitroonU e(I to seeus'	16.	64		1 1	ı		4		o [	1 0	n 1	4	4	1 6	1	eo -	1 67	10	co	1	60 -		24	13	l a
,	-8	Deaths in Public Institution	15.	614	315	00 G	000	17	4.6	20 9	9	, es .	44	42	12	O 10	51	-	7	12	16	9 60	11 %	_	21	12	See note on first page of this Beturn.
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, and	The DEATHS registered in the Deaths from	-89[889	M -	- 1	177	2 17	1 1	1 00		ල I	1		10		- 29	, i	100	1 1	1	1 =		1 1	1	-	-	- 23	-
EATHS		.xoq-llan		5	1	1 1	1 1	1 1		1 1					0 1	- 61	4		Ħ	Iņ	31	12	13	1	- 23	33	=
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- B 3.	during	., 1889. DEATER		60	3547	1426	400	8 88	27	169		33	461	48	20	9		39									
TABLE 1.	Registered during	20th Apr., 1889.		63	2999	2488	103	55	51	282	139	49	314	65	244	129	00	37	44	126	215	135	123	104	135	350	DeT _
		estimated 20 to the middle of the Year 1869.		1.	9,555,406	4,351,738	121,807	78,225	82,544	454,835	150,520	88,529	102,511	114,670	378,800	284,283	121,275	104,194	81,080	285,056	827,227		184.193		266,900		383,082
		7.0 =+		Cols.	1 .	•			. NO.	•	1 1		• (		1	•				•					1	•	
		CITIES AND BORUUGHS.		2	OD TOWNS	MOUNO	BRIGHTON .	NORWICH .	RISTOL	RIBMINGEAM	EICESTER	NOTINGBAR	BIRKENHEAD	LIVERPOOL .	MANCHESTER	SALFORD* .	ULDHAM -	PRESTON .	HUDDERBEIFER -	BRADFORD.	LEEDS .	HULL .	SUNDEBLAND	CARDIFF.	H. D. INBITEGH	(TTABGOW	DUBLIN -

TABLE 2. LONDON.—Births and Deaths Registered in the SIXTEENTH Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males  Females .	2703	2616	2397	2633	2607	2563	2541	2505	2879	2579	2843·7	2488
	1404	1334	1227	1357	1329	1310	1292	1257	1490	1289	1449·1	1301
	1299	1232	1170	1326	1278	1258	1249	1248	1389	1290	1391·6	1187
Total Deaths Males Females .	1757	1417	1600	1573	1755	1649	1743	1460	1529	1551	1748·4	1426
	916	730	829	806	907	860	889	748	798	792	\$02·3	768
	841	687	771	767	848	789	854	712	731	759	816·1	718

<sup>\*</sup>The numbers in this column are the average weekly numbers in the sixteenth weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population,

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

1 ABLE	3. LONDON.			,	OLIT CE		02020	001	H CHC	Last	THIR	ILEN	WEE	D.D.
		Jan. 26.	Feb.	Feb.	Feb. 16.	Feb. 23.	Mar.	Mar. 9.	Mar. 16.	Mar. 23.	Ма <b>г.</b> 30.	Apr.	Apr.	Apr. 20.
TOTAL B	irths	2599	2662	2772	2511	2695	2609	2698	2699	2670	2808	2676	2509	2488
TOTAL D	eaths	1620	1570	1460	1516	1567	1472	1637	1638	1554	1476	1572	1493	1426
Ages at Death	0-20 years - 20-40 , - 40-60 , - 60-80 , - at 80 years & upwds.	709 162 280 394 75	714 158 270 338 90	650 181 243 313 73	655 182 279 322 78	666 202 278 337 84	681 153 254 314 70	695 175 309 391 67	719 188 298 357 76	666 165 274 366 83	642 200 274 287 73	729 175 287 305 76	671 183 266 310 63	670 174 214 299 69
I ,, <1	Under 1 year - 1-5	325 281 103	370 250 94	324 233 93	326 247 82	344 238 84	849 257 75	322 277 96	362 249 108	317 276 73	316 212 84	368 261 100	322 251 93	299 279 92
Deaths from	n Small-pox	- 83	71	56	43	70	67	76	60	84	56	-		-
33 33 33 33	Scarlet fever - Diphtheria -	20	11 58	12	16	14 27	12	16 20	16	6 23	11 18	74 15 26	72 13 86	70
31 27 39 21	Whooping-cough Typhus	24	38	33	31	31	31	29	37	42	51	49	.43	22 51
3) )) 2) ))	Enteric fever - SimpleContd fever	10	10	5	13	8	6	4.3	6	. 4	8	9	10	6
" "	Diarrhoea and Dysentery -	24	13	18	10	16	18	15	14	18	9	. 17	11	10
22 22		195	182	148	138	107	100	-	2	-	-	_	_	
	entioned Diseases \ Dis. of Respira- \					167	160	163	166	377	153	190	187	169
	tory System	456 152	409 138	340	376 158	362 156	362 127	402	396	378	332	364	294	300
); ;; ); ;;	Dis. of Circula- tory System	141	142	132	120	130	116	161	162 157	139	153 153	170	152 135	128 98
Violent Des Inquest Cas	aths	50 102	55 104	49 91	<b>44</b> 98	65 114	57 118	52 114	68 127	53	52 155	69 130	68 130	57
	Public Institutions	401	382	314	375	353	353	395	378	365	354	340	325	315
Mean Mean of l	Highest readings - Lowest readings -	38·5 43·3 33·6	43·1 49·4 36·5	35.6 41.9 30.2	34·3 40·9 27·1	41·4 47·3 36·2	32·8 37·7 29·8	37·4 46·3 28·9	38.8 46.8 31.2	42.5 50.3 35.7	45.6 54.6 38.6	43.5 51.8 37.4	43.5 50.4 38.6	46·5 55·3 39·8
Humidity o	f the Air	98	88	81	84	81	83	75	80	80	81	78	90	84
Rain-fall in	inches Sunshine (in hours)	0·15 5·3	0.22	0.80	1.19	0.05	0.13	0.54		0.53	0.11	0.27	0.56	0.10
Registered	sunstine (in nours)	5.3	13.0	7.4	8.7	14.9	7.6	26.0	14.8	18.4	14.3	21.3	8.6	12.5

# METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher. Esq., F.R. S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Marrifield, Esq., LL.D., Plymouthe R. C. Cann Lippincott, Esq., Bristol; F. Sunpson, Esq., Wrottesley, Wolverham; J. Harruup, Esq., M.D., Leicester; Arthur Ecown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Hurris, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., Sunaerland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 2. LONDON .- DEATHS Registered at several groups of AGES from different Causes in the

					SIX	TEI	ENT	T V	Vcel	of the Year 1889.	TEOIR (				J NJ 248 N	, ,,,,	OLL		
	the		Satu	the	We 20t	ek ei	ndins	89.	O The Office of	7.7	for the		Satu	In th	e W	eek e	ndin	ig g	
	1 20		D	eath	s of l	Perso	ons o	ŧ		er og mer er  for 10 yea	-		eath	s of 1	Perso				
0 8	verages for the 10 ;		1			l ges	1 3	1 3	-		the 188.*	-	1		the A	1 .	1 -	1.	
CAUSES OF DEATH.	18 E	e e		Jnde 20.	r	ler 40	under 60	ler 80.	and	CAUSES OF DEATH.	A 88	n°.		Unde 20.	r	ler 40	er 60.	er 80	and.
	We	AGES,				d under	d und	d under	Years		Wee	AGES	-	1	1	d under	i under	l under	V Years
r to story	Corre	ALL	0-1.	1-6.	5-20	20 and	40 and	60 and	X OR		Corrected 16th Week	ALL	0-1.	1-5.	5-20	20 and	40 and	60 and	X 08
ALL CAUSES	1748*4	1426	299	279	92	174	214	299	69	Diseases of Organs of Special Sense †	3.7	3	-	-	2	1		-	-
Small- pox Vaccinated; - Unvaccinated No Statement	}19·0	-	-	-	-	-	-	-		Diseases of Circulatory System	122.9	98	1	1	7	13	27	41	8
Measles	61.7	70	17	48	5	_	-	-		Cronn	74:0	6		4	2			F	
Searlet Fever ,	23°1	10	-	5	5		-		-	Bronchitis Pneumonia	14.0 234.1 113.2	160 104	83 24	83 82	3 4	13	13 16	66 13	11
Typhus Relapsing Fever †	0.0			-	_	_	_	_		Pleurisy Other Diseases of Respi-	7.7	4	-	1	-	1	1	1	-
Influenza	0.1	-	-	-	-	-	-	-	-	ratory System}	85.3	26	4	9	2	-	4	5	2
Whooping-cough	87.9	51	17	32	1	1	-	-	-	Dentition †	18.3	15	8	7			-		-
Diphtheria	15'8	22	2	14	5	1		-		Quinsy, Sore Throat † - Enteritis -	8.8 19.8	3 8	1 8	2 2	-	E	- 9	-	-
Simple Continued and \ Ill-defined Fever - \	2.2			-	-	-	-	-		Peritonitis	6.7	7 25	1	1	5	1 5	8	1	-
Enteric Fever	0.5	6	-	-	1	8	2	-		Diseases of Liver - Other Diseases of }	33.2	27	4	-	1 4	8	8	8	1
Cholera Diarrhœa, Dysentery -	16.1	10	7	_	_	1	_	1	1	Digestive System - }							_		
Remittent Fevert	0.2		4	-	-		-	_	-	Diseases of Lymphatic)									
Hydrophobia	0.5	H	-	-	-	-	-	-	-	System & of Ductless Glands †	1.8	8		-	1	~	2	-	
Glanders Cowpox and Effects of )	0.0			-	-	-	-	-								-		-	
Vaccination † 5	0°5	1	1	-	٠	-	-	-		Diseases of Urinary System }	42.0	35	-	8	1	8	11	11	1
Venereal Affections -	6.8	10	5	1	-	1	-2	1						-		_		-	
Erysipelas – – – Pyæmia and Septicæmia †	4.4	4	-		8	1	1	3		Diseases of Generative	6.7	4	-	_	-	2	_	2	-
Puerperal Fever	6.9	- 8	-	- 84		3	-	-	-	Accidents of Childbirth	3.6	4	-	-	-	8	1		- 1
Other Zymotic Diseases †	1.2	8	1	1	_	-	_	1	E	Diseases of Locomotive	700	0						2	
Thrush	1.7	1	1	-	-	-	-			System †}	5*8	6		_	_	4	_	_	-
Worms and other Para-}	0;2	1	-	-	1	-	-	-	-	Diseases of Integumen-	6.9	в	3			1	_	1	1
										tary System 5						_	_	_	
Starvation, Want of Breast-milk †}	2°6	4	4	-	-	-	-	-											
Alcoholism	4.1	10	-	-	-	2	7	1		VIOLENT DEATHS.§							1		
Phonestic								-		ACCIDENT.) Fracture and Contusion	22.8	18	1	1	2	2	7	5	
Rheumatic Fever, Rheumatism of Heart†	7.2	5		-	2	1	2	-		Gunshot Wound Cut, Stab	0.3	-	=	Ē	-	-	-	-	-
Rheumatism †	2.6	2		-			-	2	F	Burn and Scald	6.1	7	1	2	-	1	1	2	1
Gout Rickers†	3°2	8	_	5	- 1	-	1	1	1	Poison	13.6	14	12	-	1	8	-	ī	-
Cancer	52.9	56	-	-	2	8	21	24	1	Suffocation Otherwise	2.9	2	-	-	î	-	1	-	-
Tabes Mesenterica -	25.2	20	9	7	2	2	-	-	-										
Tubercular Meningitis - Phthisis	31°4 179°0	84	6	20	5	3	-	-		(Homicide.)	7.5	1				1			
Scrofula, Tuberculosis -	18.1	128 19	2 4	7	7 2	66	39	8 2		Murder & Manslaughter	1.2	1				_	_		
Other Constitutional	12.0	12		-	2	1	8	5	1	(Surgery )									
Diseases †}						-	_	_		(SUICIDE.) Gunshot Wound	1.0	2	-	-	-	-	1	1	-
Premature Birth	87.5	89	89	-	-	-	_	_		Cut, Stab Poison	2.1	8 8	-	-	1	1 1	1	-	
Atelectasis +	2.9	3	3	-	-	-	-	۰	-	Drowning	1·3 2·3 0·8	2 -	-	-	-	-	1	-	-
Congenital Malforma-	8.7	7	в	-	-	- 1	an .		-	Otherwise	0.8		_	_	_		-	-	-
Old Age	58.0	59	_		-	-	-	28	81	(Execution.)									1
Apoplexy	45'7	41	_	-	_	4	13	21	8	Hanging	0.0	-	-	-	-	-	-	-	-
Epilepsy	8'4	9	-	-	1	1	1	6								-	-		-
Convulsions Other Diseases of Brain	57.1	88	88	5	-		-	~	-	OTHER CAUSES †	59*0	40	3±	3	-	-	1	1	1
and Nervous System	99.7	16	11	23	10	6	16	26	- 2										

the ten years average could not be correctly ascertained, the average for the seven years 1852-8 has been used.

the ten years average could not be correctly ascertained, the average for the seven years 1852-8 has been used.

se cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When dieal attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not cortified by a registered oner, the case is returned under the heading "no statement."

evidence at inquests is often insufficient to enable (the Coroner to certify whether a violent death be the result of accident, murdor ughter, or suicide. All such cases are classed under "accident or negligence."

A 58256.-3.

TABLE 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarle during the Week endin

			-	1			gns.	D	mea	ragi-t	ared :	in the	Wee	kine	lude			
					, ,		The	DRA	THE		hs fro		, 17 00				1	1
	Enume- rated			Deat	hs of					-	18 11		1	1	1		Publia	Causes
REGISTRATION	Popu-	THS	DEATEP.	der 3	aged 60			Fover.		eoug		(or Fever	Fever.	١.		Secs.	Pu ions.	d Can
SUB-DISTRICTS.	lation, 1881.	Вівтня		s under of Age.	18 88 E	-pox	080		heria	ping	us.	ಡ	le con-	-hosa	.noe.	ont C	he ir	neertified
		Total	Total	Infants Year	Persons Years	Small-pox.	Measles	Searlet	Diphtheria.	Whooping-cough	Typhus.	Enterie 'fyphoi	Simple c	Diarrhea	Violence	Inquest Cases	Deaths in Pu	Unce
LONDON - · ·	3,815,704	2488	1426	299	368	-	70	10	22	51	-	6	-	10	57	111	315	1
West Districts	663,633	357	251	45	74	-	13	1	1	8	-	1	-	1	13 12	19	63	8
NORTH DISTRICTS	905,947	572	318	63	87 27	-	13	8 -	4 2	15	-	2 -	-	1	5	12.	72 32	-
CENTRAL DISTRICTS	282,238 692,788	138 495	254	49	68	-	6	1	4	2	-	1	-	2	13	88	67	-
SOUTH DISTRICTS - METROPOLITAN ASYLUM FOS-	1,265,148	926	499	120	112	-	84	5	11	25	-	2	•	5	14	21	81	18
PITALS OUTSIDE REGISTRATION LONDON					-	_	-	-		-	-	-				-		F
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69898 87330	51 11	21 17	1 2	7		-	-	-	-	-	=	-	-	2	2	10	-
Kensington Town Ww W.M.	120141 43010	41 14	40 15	5 2	18	Ē	=	-	1 -	-	-	1 -	-	=	1	2	19	-
St. Paul Hammersmith  St. Paul Hammersmith  Fulham  W.M. & G.J.  W.M. & C.J.	7599 64340 42900	6 50 68	4 25 29	2 6 8	1 8 7	=	ī	ī	-	- 1	-	=	=	1	1 2	2 3	14	1
Chelsea South HHH - Chelsea North-west WHHHHH. C. C. C.	0396 24925 32807	14 15 15	9 15 13	- 2 5	2 4 2		2 -	=	-	ī	-	=		111	1 1	1 1 2	6 - 5	111
May Fair WW G.J. Belgrave WHHH C.	80353 59220	5 22	20	3	7 4		1	-	=	1	-	-	-	1 1	1	2	6	1
St. John Westminster HHH - C. St. Margaret Westminster H - C.	35496 24679	9	12 8	3 2	2		3 2	-	-	2	-	-		-	_	-	1	1
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R. NORTH DISTRICTS.	29941 16603	11 3	7 5	2	2 -		2	-	-	-	-	-	-	-		-	-	-
*** C 1 25 1-1 TETETET NO 34	26759 14391	9	10	ī	8		-	-	-	-	-	-	-	-	2 -	2 -	9	-
All Souis Maryleone HHHH - W.M. Cavendish Square HHHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb, HHH G.J. & W.M. Christchurch Marylebone HH - W.M.	24809 21118	16 29	5	1	2 -	-	-	=	1	-	-	-	-	-	-	- 2	2 -	-
Gr. John mai herone as	00	26 13	8	3	3 7	П		-	-	- 2	-	1-1	-	_	1	=	1	-
Hampstead WowHHHH N.R. & W.M. Regent's Park Paneras H W.M.	45452 89115	27	11 9	2	3		-	-	-	1	-	1	-	-	1		- 8	-
Tottenham-court wHHHH N.K.&W.M.	27729 30247	9	17	2 2 4	1		2 - 1	-	1 -	1 1	-	=	-	-	1	2 2	4	-
Somers Town $H$ $N.R.$ Camden Town $WH$ $N.R.$ Kentish Town $W$ $N.R.$	84369 17311 87487	23 14 46	14 16 30	1 2	8 7	-	Ê	-	Ξ	2	-	1	-	-	2	2 2 3	13	-
Upper Holloway WWwH N.R.	67946	48 56	45 35	6 12	14 9	-	5	3	-	2	-	-	-	ī	-	-	18	-
Islington South-west HH - N.R. Islington South-east - N.R. Highbury H - N.R.	100976 61895 52048	38 <b>82</b>	16 12	4 2	5 3		=	=	-	-	=	-	-	-	2	1 8	-	-
Stoke Newington H N.R.	22781 9277	26 12	6 2	3	1 -		-	-	-	1	-	-	-	-	-	-	-	-
Hackney WwwwH E.L.&N.R.	37610 76911	81 85	11 35 9	3	8		1	-	1 -	1	-	-	-		ī	1	11	-
CENTRAL DISTRICTS.	39888	26	9	1	3			-	-	2	-	-			أأأ	1		
St. George Bloomsbury - N.R. St. Giles South $WH$ N.R. St. Giles North N.R.	16681 14864	13	9	2	1 5	=	2	-	-	-	-	=	-	ī	ī	-8	8	-
St. Martin-in-the-Fields HH N.R. & C.	13837 17508	3	8	3	2			_	-	-	-	-	1.1	_		-	1	-
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	1 1	6 3	1 -	1 3	-	-	=	ī	-	-	-	-	-	ī	2	2 8	=
St. Geothe-Martyr HHHHHHHH N.R.	18671 10706	13	5 2	-	1	-	-	-	-	-	-	-	-	-	-	-	5	-
Saffron Hill H N.R. St. James Clerkenwell N.R.	6588 17516	14	9	4	1 -	-	-	=	-	- 2	-	=	-	=	=	-	-	-
Amwell Clerkenwell N.R. Pentonville N.R. Goswell-street N.R.	19281 14773	7 7 11	6 2	1	-	-	1	-	-	-	-	-	-	-		-	-	-
Goswell-street N.R. Old-street H N.R. City-road HHL N.R. Whitegras-street N.R.	17506 11541 18628	11 5 29	8 4 13	1 2 5	1 2	-	-	-	-	1	-	-	9 0	-		1	-	0 1
Finebury N.B.	9217 7468	5 3	1	=	-	=		-	=	=	-	=	-	-		1	2	-
Holborn Union Workhouse, Mitcham, w. St. Botolph H N.R.&E.L.	11174	7 2	2 2	1	-	-	-	-	-	-	-	-	-			Ξ	2	
Cripplegate N.R. St. Sepulchre # N.R.	7198 5358	-	12	1 -	1 2	-	=	-	ī	-	-	=	-	-	- 3	1 8	12	:
Allhallows Barking N.R.	8396 13666 5652	5	1 2	- 1	1	-	-	-	-	-	-	-	9 9	-	-	-	1	-
Broad Street H N.K.	0002	-	1	1 1	1 -	-	-	-	-	1 -	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Worklouse Establishment receiving immates from other Districts than that in which it stands see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East London; and K. the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

turday, the 20th April, 1889.																		
							The	DEA	TH8	registe	ered i	n the	Wee	k inci	ude			
	Enume-			Deat	hs of					Death	s from	n				1		
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Intants under l	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
FAST DISTRICTS.  olywell Shoreditch - N.R. & E.L.  (Leonard Shoreditch HL*, - N.R.  oxton New Town w N.R.  oxton Old Town N.R.  aggerston WH - N.R. & E.L.	7376 14967 29937 28036 46275	6 9 20 20 41	7 2 15 . 8 - 23	3 1 1 - 8	1 -7 3 9	11111	1	1	1111	1111		1111	11111	2	2 - 1	3 1 1 3	- 1 7 - 9	11411
lackney-road H E.L. reen, Bethnal Green WHL* - E.L. hurch, Bethnal Green E.L E.L.	29738 47932 29981 19810	21 44 20 13	8 25 7 5	4 1 8	9 - 1			-		1111		1111		1111	1	2 2 -	10	
pitalfields E.L. & N.R. file End New Town W - E.L. & N.R. oodman's Fields E.L. ldgate N.R. & E.L.	22585 15478 17490 9713 6102	18 18 11 8	3 9 24 2 4	5 -	1 10 00 1	11111	1 2		2 -	11111	11111	11111		11111	- 2 1 2	3 1 2	17 -	1111
t. George's, North t. John, St. George East W - E.L.	88747 8410	27	8 6	4 -	2 4	-	-	-	-	-		-	-	-		1	8	
badwell $HH$ E.L. & N.R. ateliff E.L. imehouse E.L.	10895 16107 82041	9 16 19	9 5 8	8 3 2	2 - 2			-			111		-		1	4 - 1	3	-
file End Old Town West - E.L. file End Old Town East WwwH- E.L.	37960 67653	25 44	10 10	8 2	3 2	-	-	-	- 1		1 1	-	-	-		1	2	l
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	87074 64859 85077	24 44 41	10 30 16	2 8 1	9 5	111	1 -	1 1 1	- 1	2	111	1 1 1	-	1 1 1	1 - 1	3 4 4	8 2	Ē
SOUTH DISTRICTS.	18668 14999 21881 15958 21318 26672 59555 21623	6 10 14 10 18 12 41	1 8 8 8 4 14 31 13	1 2 2 3 12 6	1 1 2 1 2 9	1111111	31 11		1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		111101111	1111111	11111111	1,11,00011	1 1 222 1	2 1 2 -	петтіпт
t. Olave WH S. & L. L. Mary Magdalen W - S. L. James Bermondsey - S. otherhithe WH S. & K.	11956 16300 15669 54682 86024	8 9 11 49 29	16 9 8 15 9	8 4 1 6 2	1 3 2 8	11111	1 2 1	1	1	2 2 2	-		1111	11111	3 1 - 1	3 1 1	11 2 2 2	1
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	15195 16351 19876 39859 45232 35332 62837 19017	10 17 12 23 24 22 47	6 4 12 32 7 10 20 9	16 - 233	2 1 10 4 4 7 4	1111111	4	,1	1111111	1 1 1 1 -	1111111	1111111	1111111		1	2 - 1	8 14 -	1 2
sat Battersea	54675 52587 86380 28004 13235 25553	58 42 20 23 9	14 19 5 12 3 6	4 1 2 3	1 8 - 1	11111	1 -	111111	1	ī - - 1	111111	111111	11111	111111	111111	1	1 6 -	111111
ulwich - L. & S. umberwell - S. & L. sekham W - S., L., & K. George Camberwell - L. & S.	5590 59104 71089 50810	3 47 60 49	2 88 20 16	5 5 7	1 10 4 2		1 2	- 1		3 1 3		i	1111	1111	- 2	1 2	18	1
Paul Deptiord ww K, Nicholas Deptiord K, reenwich West H K, reenwich East WHH K,	76752 7901 21972 24608	65 1 4 19	35 4 4 24	7 2 7	6 - 1 4	1110	5 - 4	1111	1111	1 - 2			1111	1	2	1 - 2	- 1 6	3 -
tham H K. te H K. twisham WH K. dennam H L.	5048 21559 19865 26076	1 4 16 20	2 8 7 8	2 - 1 4	181	1 1 1 1	,	1	1111	- 1	1111			1 - 1	1111	- 1	1111	1111
tarlton H K.  oolwich Dockyard K.  oolwich Arsenal HH K. umstead, West H K.  umstead, East W K.	10980 17617 19048 14009 19241	5 12 13 13 27	10 3 4 17	1 2 - 4	8 - 2 8	1111	- 2 1 - 2	11111	1	1111	11111	11111	11111	11111	11111	11111	1 - - 5	2 - 1
etropolitan Asylum Hospitals: Dartford w Winchmore Hill w	-		111			111	1111	111	171		111					1 1 1		

be following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the

Marylebone Infirmary in Kensington Town sub-district,
Central London Sick Asylum in Tottennam Court-road and-district,
Holborn innrmary in Upper Holloway sub-district,
London City Workhouse
Holoorn Holloway Sub-district,
Holloway Sub-district,
Holloway Sub-district,
Holloway Sub-district,
Holloway Sub-district,
Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

Multiplication Sub-district,
Mile End Old Town Eastern sub-dist.

Private Lunatic Asylums in which paupers are received.

Stepney Workhouse in Browley sub-district.

Poniar & Stepney Sies & Sylun .

Wessumster Union Industrial School in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.

Metropoutea Asymun District Hosticials in Fullam, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

nuda		Area				-		T	he DE			red in						
egis- ation		in Acres,	Cnume-	1		Deat	hs of			I	)eaths	0 1					50	18081
istrict and Sub- istrict ium- bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Foreshore.	Popu- lation, 1881.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Fever.	Diarrhose.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes
LO	TOON - OUTER RING	370,924	950,957	721	374	85	103	-	10	6	2	11	3	5	9	21	32	2
																	_	
80:1	Carshalton wL -	12228	21118 10710	9	11 3	2 2	2	_	-	-	-	-	-	-	-	-	3	-
2	Epsom (part of)* WwH	9971			1	1		_	-	_	-	-	-	-	-	-	-	
37:1	Godstone (part of) * -	2754	1235	2		6	13		1	_		2	-	-	2	5	9	
38:1 2	Croydon WwHHL -	20851 11697	101241	68	34 4	-	2	-	-	-	1	-	-	-	-	7	-	-
89:1	Wimbledon HHH -	3220	15950	14	6	1	1	-	-	-	-	-	-	-	-	-	2	
2	Kingston WHH	8549	36354	27	10	3	3 -	_		-	_	-	-	-	-	-	-	
8	Esher (part of) * - Hampton H	6601 4573	9221 18589	8	7	1	8		-	-	-	-	-	-	-	-	-	
40:1	Richmond WH	2272	21802	21	7	8	1	-	-	-	-	-	-	1	1 _	1	1 -	
2	Mortlake	2941	12331	8	9	2	3	-			_		-	1 .	-		-	
4]:1	Bromley (pt. of) * HH Chishrst(pt.of)* WHH	15669 14307	31149	25 3	9	1	2	-	-		-	1	-	-	-	-	-	
42:1	1	18487	24184	15	6	2	1	-	-	- 1	-	1		-	-	-	1	
2		-	-	-	1	-	1	-	-	-	-				-	-	-	
124: 3	O	11055	11685	9	4 2	1	1	-	-	-	-		-	-	-	1	-	
125:1		6029	10802	9	10	4	8	-	-	-	-	-	-	-	-	1	1	
120 . 2		6178	3225	-	8	1	2		-	-	-	-	-	-	-	1	2	
	22.00	14587	11523	6	8	2	1	-	-	-	-	-	2	-	-	-	1	
126:	I Isleworth WHH - Twickenham H-		22727 12479	11	3	2	-	-	-	-	-	-	-	1 -	-	1	-	
_	Brentford HL		27649	27 17	9	2	1		-	-	_	1	-	-	2	-	-	
	Chiswick	1340	15975 22876	14	9	1	2	-	1	-	-	1	-	-	1	1	-	
127 :		13809	12796	7	7	8	2	-	-	1-	-	-	-	-	-	1	-	Ì
	2 Edgware H -	6994	3749 27453	3 20	13	8	4	-	-	-	-	1.	-	-	-	1	-	
	8 Willesden 4 Hendon W -	8382	10484	1	6	1	1	-	-	1	-	-	-	-	-	-	-	
137 :		9331	6621	5	3		2	1 -	-	-	-		-	-	-	_	_	
	wattord (", pa or,	1,5500	6391	4	2			_		-	-	-	-	-	1	1	-	
128:	1 South Mimms -	- 15599 - 5483	10092		7	1		-	-	-	-	2	-	-	1	-	-	
	3 Finchiey HL -	4688	17615		10	2	4	-	-	-	-	-	-	-			5	
185 :		- 3306	588		1 -	1		1	1	-					1.			
129:	1 Hornsey H 2 Tottenham H -	- 8039 - 4642	37078 46456		7 30	8	3	-	-	1	-	2	-	-	-	-		-
	8 Edmonton Ww ‡	- 7483	23468	15	12	4	-	-	2	-	-	-	1	-	8	4		
	4 Enfield WH - 5 Waltham Abbey -	- 12653 - 11017		_	11	_	. 8		-	-	-	1			-			-
	6 Cheshunt	- 8480		-	11	_		-	-	-	-	-	-	-	-	-		-
186		- 888	- 1	_	- 11	_	- 4			- 1	1	1	1	- 3				-
	2 West Ham wwwwHs 3 Leyton WwL -	- <b>7</b> 351		-	- 11	_	3 3	_	4	-	ł	-	-	-		-	_	7
	4 Waithamstow H		2886	9 80		-	4 ]	٠, -		-		-	-	2			-	-
187		H 1176	988	9 10	- 11	2			- 1									-
189	2 Epping (W, pt. of)* ; 1 Romford (part of) *			1	2										-1		-	-
100	2 Ilford	- 849		_	13	_	1	1 .	3	-		-		1		1		

<sup>\*</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as follow .-\* The parts of sub-districts included within that portion of the Metropolitan folice District which to fine the Otter King are at follow.—
30: 2. Epsom auc-district, except the parishes of Assates and Headley (pop. 1265); 37: 1. the carriances of Warfuncham and Farley in Coldstons and district; 39: 3. Esher sub-district, except the parish of Esher (pop. 1993); 41: 1. Browley auc-district, except the parish of Cudham and Knockholt (pop. 1818); 41: 2. Chislengrat auc-district, except the parish of Chelsdeld (pop. 947): 183: 1, the parish of Nortuaw in Hatdels sub-district, except the parish of Theydon Bois (pop. 347): 189: 1. the Darish of Dagentam in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42. 2, Dartford, 137: 2, Watford, and 187: 1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5). 

Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7.-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 20th April, 1889.

									1 -	-, -						
ann.	Area in Acres,	Estimated	of Mon	L RATE	DEATHS	Deat	The DE	ATH8	regi			he W		nelud	.e	lie
GREATER LONDON.	including tidal water and foreshore.	Population, middle of 1889.	Enomo	From Diseases in Cols. 8-14.	from ALL CAUSES	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.	Deaths in Public institutions.
Cols.	1.	2.	3,	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
REATER LONDON	448,334	5,642,015	16.6	1.9	1800	384	471	-	80	16	24	62	9	15	66	347
INNER LONDON -	77,410	4,351.738	17.1	2.0	1426	299	368	-	70	10	22	51	6	10	57	313
OUTER RING .	370,924	1,290,277	15.1	1.2	374	85	103	-	10	6	2	11	3	5	9	32

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal o 700\*522 square miles, which is equivalent to the area of a circle having a radius of 14'933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,564,302 Persons.

			00										
						A	DE	ATHS		PRIN	ES.	ZYMO	
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETUR Week endir		BIRTHS.	DEATHS. f Stillborn.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœal Diseases.
CALCUTTA	433,219			_			-	_	_			-	-
BOMBAY	773,196	March	26	245	454	26.0	22	40	9	19	2	136	30†
MADRAS	398,777	92	8	329	366	47.7	2	41	?	?	?	93	54+
PARIS	2,260,945	April	13	1317	1010	23*2	4	31	4	43*	12	12	49
BRUSSELS vith 8 Faubourgs.)	471,606	-	13	287	191	21.1	-	1	-	mu .	1	1	15
AMSTERDAM -	390,016	39	13	280	195	25.4	-	5		2	4	-	-
ROTTERDAM -	197,723	99	13	143	76	19.9	-	2	-	-	-	-	1
THE HAGUE .	153,440	29	13		49	16.6	-		-		. •• .		-
COPENHAGEN -	307,000	99	6	215	130	22.1	-	***	-	3	7	-	4
STOCKHOLM -	221,549	99	6	143	83	18'9	-	-	2	2*	-		8
CHRISTIANIA -	185,60)	17	13	64	54	20.7	-	-	1	6*	400	-	2
ST. PETERSBURG	842,883	37	6	-	641	39.9	-	1	12	5	3	23	103
BERLIN	1,470,582	March	30	901	816	28*8	-	1	4	15	11	7	217
Hamburg(State)	550.694	April	6	414	259	24.2	-		1	11*	3	5	10
DEESDEN	264,196	99	6	144	. 119	23,8	5	~	1	7*	3	- 1	ŏ
BRESLAU	313,451	33	13	232	191	31.9	-	2	-	9*	1	1	5
MUNICH	281,000	20	6	198	177	32.3	-	5	-	5*	-		17 23
VIENNA	811,434	99	6	511	424	27.2		11	5	4 7	-	2	23
PRAGUE	304,356	99	6	-	180	30.9	8	1	. 2	5	2	7	14
BUDA-PESTH -	452,907	39	6	337	255	29.3	-	_ 1		- 3	1	1	2
TRIESTE	158,084	99	6	-	89	29*3			_		_	_	
ROME	401,044	March	2	256	243	31.2	1	5	-	6	1	41	14
TURIN (11 days)-	306,398	,,	31	- To -		-	-	_	-			_	11
VENICE	153,375	April	6	83	82	27.9	-	5		_			
CATRO	374,338	March	28	400	324	45.1	2	3	-	2*	3	25	98
ALEKANDRIA -	231,396	22	28	215	233	52°5	1	19	2		-	13	55
NEW YORK -	1,549,500	99	30	-	860	29.0		13	57	47	14	5	10
MROOKLYN .	814,505	,,	30	-	390	25.0	-	8	10	29	10	-	6
PHILADELPHIA -	1,040,245	3)	30		389	19:5	-	1	10	9	2	18	4
RALTIMORE -	500,343	"	30	-	156	16.3	-	-	5	4	cutt	4	3
							1						

<sup>\*</sup> Including deaths from croup.
† Including 3 deaths from cholera in Bombay, and 3 in Madras.
‡ Including 3 deaths from malarial fever.

TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the Roxal Observatory, Greenwich, during the Week ending Saturday, 20th April, 1889. [Under the Superintendence of the Astronomer Royal.]

High. Tow.	NARO- METER. Mean daily reading (cor- foot- and re- iting, I and	High. Low.	TOMO T				2			Difference between the Air Temperature and Dew Point Temperature.	Difference between the Air Temperature and Dew Point Temperature. Mean Great-	6 1 6	Rad	TEMPEI Of Badiation.	TEMPERATURE.  Of the Thiation. at Depti	Of the Water of the Thames at Deptford.	Wind Coneral Direction.	l as dec	Pressure Square Great.	e Foot.	E SE	Robinson's.  Horizontal Depar-	Te Golden	n tred tred se se se is ozone.
Gweed to High. LOW. Daty seem from and daily actual grain.  Range. est. Range. value. overage value. value. heit).	Gweed to High. LOW. Datay seem from daily avenue ago. Bairen. Range, value, o'stude, value. Action heit).	High. Low. Daty veel. from daily daily est. est. Range value. O years.	Low. Dany drein from drein daily est. Range, value, of of o years.	Lange, value, of years, of years, of years,	daily average daily daily value.	from daily daily of the	daily daily value.	daily value.			Least	t. 100).	est in Sun's Rays.	on the Grass.			A.M.	P.M.				ich Average of Sy. 16 Years.	0	nd.
14 In 29.505 44.5 36.6 7.9 39.8 - 7.6 38.2 1.6 5.7	in. 9 50 5 6 6 7 9 39 8 - 7 6 38 2 1 6	44.5 36.6 7.9 39.8 - 7.6 38.2 1.6	36.6 7.9 39.8 - 7.6 38.2 1.6	7.9 39.8 - 7.6 38.2 1.6	39.8 - 7.6 38.2 1.6	- 7.6 38.2 1.6	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	9.1			0.0	0 94	28.0	35.9	47.7	6.44	NNW. & N.	NNE.	1.8 1	1 0.0	0.1 318	es. Miles. 8 + 29	29 0.10	0.0
Equator. 29.761 48.3 35.2 13.1 40.7 - 6.8 35.9 4.8	29-761 48.3 35.2 13.1 40.7 - 6.8 35.9 4.8	48.3 35.2 13.1 40.7 - 6.8 35.9 4.8	35.2 13.1 40.7 - 6.8 35.9 4.8	13.1 40.7 - 6.8 35.9 4.8	40.7 - 6.8 35.9 4.8	- 6.8 35.9 4.8	8 35.9 4.8	8.4			9.5 0.0	0 83	7.701	27.2	47.4	45.3	NNE.	NNE.	1.6	0.0	0.0	273	00.0 21	0.0 00
29.795 50.5 32.6 17.9 41.6 - 6.0 35.6 6.0	29.795 50.5 32.6 17.9 41.6 - 6.0 35.6 6.0	50.5 32.6 17.9 41.6 - 6.0 35.6 6.0	32.6 17.9 41.6 - 6.0 35.6 6.0	17.9 41.6 - 6.0 35.6 6.0	41.6 - 6.0 35.6 6.0	- 6.0 35.6 6.0	35.6 6.0	0.0		0	9.01	2 79	95.6	24,7	47.2	45.7	'n	N. & NNE.	1.8	0.0	0.1	1	33 0.00	
29.792 55.6 59.1 16.5 46.7 - 1.1 42.4 4.3	29.792 55.6 59.1 16.5 46.7 - 1.1 42.4 4.3	55.6 39.1 16.5 46.7 - 1.1 42.4 4.3	39.1 16.5 46.7 - 1.1 42.4 4.3	16.5 46.7 - 1.1 42.4 4.3	46.7 - 1.1 42.4 4.3	- 1.1 42.4 4.3	42.4 4.3	4.3		prod.	0.0 9.11	0 85	88.88	35.7	46.8	45.6	N. & NW.	N. & NNE.		0.0				
ec. 29.962 61.1 47.3 13.8 51.9 + 4.0 48.9 3.0	29.962 61.1 47.3 13.8 51.9 + 4.0 48.9 3.0	61.1 47.3 13.8 51.9 + 4.0 48.9 3.0	47.3 13.8 51.9 + 4.0 48.9 3.0	13.8 51.9 + 4.0 48.9 3.0	51.9 + 4.0 48.9 8.0	0.8 6.87 0.5 +	4.0 48.9 3.0	9.0		8.01	0.0 8.	0 30	0.211	41.5	47.3	7.97	NNE. & N.	NE.SSE. &				Ī		
	30.046 66.1 43.6 22.5 53.8 + 5.8 46.1	66.1 48.6 22.5 58.8 + 5.8 46.1	43.6 22.5 53.8 + 5.8 46.1	22.5 53.8 + 5.8 46.1	53.8 + 5.8 46.1	+ 5.8 46.1	5.3 46.1		7.5	P	8.1	3 77	118.6	9.48	47.7	46.9		WSW. &SW.		0.0				
	20.856 61.3 44.5 16.8 51.8 + 3.2 45.0	61.3 44.5 16.8 51.3 + 3.2 45.0	44.5 16.8 51.3 + 3.2 45.0	16.8 51.3 + 3.2 45.0	51.3 + 3.2 45.0	+ 3.2 45.0	3.2 45.0		8.9	15.0	0.0 0.	0 79	115.0	39.0	48.9	47.1	SSW. & SW	WSW. & SW.	÷.	0.0	9.0	404 +111	0.00	00 10.2
	29.880 55.3 89.8 15.5 46.5 - 1.3 41.7	55.3 89.8 15.5 46.5 - 1.3 41.7	39.8 15.5 46.5 - 1.3 41.7	15.5 46.5 - 1.3 41.7	46.5 - 1.3 41.7	- 1.3 41.7	41.7	1 10	1.7	11.2	2.0 2.	8 84	2.66	9.78	47.6	45.9	NNE.	& SW.	:	:	Su 3	Sum Sum 1894 –116		Sum 0.10
No of Col 3 4 5 6 7 8 9 10 11	4 5 6 7 8 9 10	6 7 8 9 10	6 7 8 10	7 8 9 10	8 9 10	9 10	10	-	10	12	13	14	15	16	11	18	161	20	21	22	23 94	1 27		26   27
ELECTRICITY. (For explanation of symbols, see Note.)	Registered Sun above Sunshine, Horizon, in hours.	Registered Sun above Sunshine, Horizon, in hours.	Registered Sun above Sunshine, Horizon, in hours.				GENER	GENER	ER	AL	REMA	RKS.		3	The h	eight of	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.	of the baro	neter is s to red	159 fee uce to	st above t sea level.	ne mean le	vel of the sea;	he sea; no
14 Overcast. Erequent rain	13.7 Overcast.	13.7 Overcast.	13.7 Overcast.	13.7 Overcast.	Overeast.	Overeast.			uent 1	rair				# 5 5 G	Ubser ye-read onverte f the pl	vations lings of ed into hotogra	Upgervations are usually taken as an arraw, not convenient and the wet build thermometer, are converted into mean daily values by the application of corrections deduced from a discussion converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the bacometer, and driving the twenty years ending 1873 for the bacometer, and driving the twenty years ending 1873 for the bacometer, and driving the twenty years ending 1875 for the lhermometers. With the corrected mean reading	r, the dry bu alues by the made during	application the twe	nometerion of nty ye	correction ars endingers. With	wet bulb is deduced 1873 for t	thermo from a he baro	meter, discuss meter, s
1.0 13.8 Generally overcast, with afternoon; fine ulterwards.	13.8	13.8	13.8	13.8	00	00	Generally overeast, w	y overeast, w	ast, w	ith	oceasic. Cloud	onal slig	oceasional slight rain till Cloudless at night.		f the d nd mi column	ry bulb nimum 18). T	of the dry built thermometer is combined the corrected mean of the readines of the maximum and minimum deemoveters, forming the mean daily value of the air and minimum deemoveters, forming the mean daily value of the air column 8). The mean daily deep point temperature, and degree of inquidity are deluteded	is combined rs, forming by dew point	the corr the me temper	ected an da ature	mean of t ily value and degr	the corrected mean of the readings of the m the mean daily value of temperature of temperature and degree of humidity are	s of the rature idity ar	maxim of the
. 16 Cloudless with hoar overcust atterwards.	13.9 Cloudless with hoar overcast afterwards.	13.9 Cloudless with hoar overcast afterwards.	13.9 Cloudless with hoar overcast afterwards.	13.9 Cloudless with hoar overcast afterwards.	g Cloudless with hoar overcast afterwards.	g Cloudless with hoar overcast afterwards.	Cloudless with hoar	s with hoar fterwards.	hoar ds.	Chris	frost in 1	morning;	; generally		rom th	i Tables	from the mean daily values of the dry and wee burd thermometers by considers Hygre- metrical Tables.  The average femperature of the air is that derived from a discussion of the photographic	s of the air is	and we	rived	from a di	seussion of	the pi	otograp
The electrometer (0.0 13.9 Generally overcast, C 18.9 Generally overcast, C 18.9 Generally overcast, C	0.0 13.9 Generally overcast.	0.0 13.9 Generally overcast.	0.0 13.9 Generally overcast.	13.9 Generally overcast.	Generally overcast.	Generally overcast.	overcast.	overcast.		-	oomy an	d misty	Gloomy and misty in morning.		ecords of the a	ir from	egregots made at Greenwich daring the 20 years enture, asso, and there or not contained indocubing of the air from a discussion of the amenometric records for the 16 years enthing 1875.  In reading the columns 9 and 25 it will be borne in mind that + indicates " higher," and the conserve of the columns of	during the Edit of the anemone and 25 it wi	netric r	ecords rue in	for the 10 mind that	years end t + indica	ing 187	novements.
1.3 14.0 Overcast in morning; fine afterwards, but generally cloudy till evening; cloudless at night.	1.3 14.0 cl	1.3 14.0 cl	1.3 14.0 cl	14.0	c)	c)	Overcast in morning; loudy till evening; cloud	t in morning; evening; clou	rning; g; clou	47	ne after less at 1	wards, L	out gener		The t	hermon face, at eadings	The thermometers in the water of the Thames are suspended at a depth of two feet below the surince, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the	water of the re of the jet ad by the C	Phames ties of lerk of	the Fo	spended a preign Cat farket, u	ta depth tle Market ider instr	of two	feet be tford, a from
19 Very fine. Partially cloudy ing; cloudless at other times.	14.1	14.1	14.1	14.1	:	:	Very fine. Partially clud; cloudless at other t	ne. Partially cluless at other t	rtially clother t		oudy in	in afternoon and	on and ev	ren-	Corpore The symbol	record s emple	Orporation of London. The record of Electricity is derived from Thomson's self-registering Electrometer, symbols employed are :—P. positive; N. negative; w. weak; m. moderate; s. strong v. variable.	y is derived from Thomson's self-registering Electrometer, positive; N. negative; w. weak; m. moderate; s. strong;	from T	homson ive; w	n's self-re	ristering I n. modera	dectron	reter. The
Cloudy till evening; cloudless afterwards. tine rain between In. F.M. and 2b. F.M.	14.1 Cloudy	14.1 Cloudy	14.1 Cloudy	14.1 Cloudy	Cloudy fine rain	Cloudy fine rain	Cloudy till evening; cl	till evening; chetween in. P.M	ning; cl		and 2b	afterwar	4	ittle	The 1	number gregate results	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the narrowence duration of bright sunshine on each day.  The narrowence duration of bright sunshine one each day.  The narrowence of bright sunship of the national observations are to be understood as applying to the	9, derived fro	m the (e on eacobserva	Campbon day,	Campbell-Stokes ich day.	Sunshine Instrument, shown inderstood as applying to the	Instru as app	ment, s
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### RETURN WEEKLY

#### AND DEATHS IN LONDON BIRTHS

## TWENTY-SEVEN OTHER OREAT TOWNS.

# By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 17. 1889. Vol. L.]

WEEK ENDING SATURDAY, APRIL 27.

Price 1 d.

General Register Office, Somerset House, 29th April, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19.5 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending			. 1.1	Weeks	ending	
Towns.	Apr.	Apr. 13.	Apr. 20.	Apr. 27.	Towns.	Apr. 6.	Apr. 13.	Apr. 20.	Apr. 27.
Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield	17.8 21.5 30.6 25.9 20.9 12.9 19.3 19.0 21.2 17.4 21.4	13·7 22·6 30·1 21·8 17·8 20·1 17·1 18·1 14·8 19·3 22·5	14·2 19·4 28·0 21·8 20·4 12·0 18·7 23·1 17·5 16·7 21·9	18·8 18·7 23·2 20·0 18·4 12·4 18·0 17·6 15·4 22·5 24·2	Manchester Newcastle-on-Tyne* Norwich Nottingham Oldham - Plymouth - Portsmouth - Preston - Salford* -	18·8 27·8 20·7 19·3 17·8 26·4 18·0 16·3 30·0 20·7	23·3 17·9 28·1 28·2 16·6 20·2 25·3 20·0 20·3 31·0 17·6	17·1 28·6 25·6 16·6 19·7 24·6 26·0 19·9 37·6 24·1	17.6 28.5 25.3 27.1 15.8 19.4 30.0 16.3 38.6 19.8
Hull Leeds - Leicester* -	23.9		23.6	24·6 27·2 16·3	Sunderland -	18.3	$\begin{vmatrix} 21.8 \\ 22.9 \\ 13.9 \end{vmatrix}$	17.1	19·1 14·0 25·9

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.7 in Norwich, 1.8 in Hull, 1.9 in Leeds and in Halifax, 2.7 in Bolton, 3.5 in Preston, and 3.9 in Manchester and in Huddersfield; from scarlet fever, 4.0 Plymouth; from whooping-cough, 1.5 in Portsmouth and in Birkenhead, 1.6 in Newcastle-upon-Tyne, 1.9 in Cardiff, 2.7 in Plymouth, 2.9 in Oldham, and 7.5 in Preston; and from "fever," 1.0 in Preston. The 43 deaths from diphtheria in these towns included 29 in London, 3 in Manchester, 3 in Birmingham, 2 in Plymouth, and 2 in Preston. Small-pox caused no death in any of the twenty-eight great towns.

LONDON. In London 2522 BIRTHS and 1463 DEATHS were registered. Allowing for increase of population, the births were 314, and the deaths 223, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 18.8, 17.9, and 17.1 in the three preceding weeks, was last week 17.6. During the first four weeks of the current quarter the death-rate averaged 17.9 per 1000, and was 3.4 below the mean rate in the corresponding periods of the ten years 1879-88.

The 1463 deaths included 65 from measles, 9 from scarlet fever, 29 from diphtheria, 56 from whooping-cough, 3 from enteric fever, 1 from an ill-defined

A 58256.-4. 610.-4/89. Wt. 14.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

R

form of continued fever, 18 from diarrhea and dysentery, and not one from smallpox, typhus, or cholera; thus, 181 deaths were referred to these diseases, being

55 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 17; no small-pox patient was under treatment at the end of the week in the Metropolitan Asylum Hospitals, or in the Highgate Small-pox Hospital. The death of a child aged 2 years, in Pancras sanitary area, was attributed to "chicken-pox, 15 days, meningitis." The deaths from measles, which had been 74, 72, and 70 in the three preceding weeks, further declined last week to 65, and were one below the corrected average; 4 belonged to St. George Hanover Square, 4 to Westminster, 6 to Islington, 6 to Bethnal Green, and 10 to Greenwich sanitary areas. The fatal cases of scarlet fever which had been 15, 13, and 10 in the three previous weeks further declined last week to 9, and were 14 below the corrected average. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 581 scarlet fever patients, against 580, 572, and 570 on the three preceding Saturdays; 53 cases were admitted to these hospitals during the week, against 56 and 50 in the two previous weeks. The deaths from *diphtheria*, which had been 36 and 22 in the two preceding weeks, rose again last week to 29, and exceeded the corrected average by 11; 2 belonged to Paddington, 3 to Kensington, 2 to Fulham, 3 to Hackney (including 2 hospital cases admitted from Rectory Road, Stoke Newington), 2 to Holborn, 2 to Shoreditch, 2 to Lambeth, 2 to Battersea, and 2 to Wandsworth sanitary areas. The fatal cases of whooping-cough showed a further increase upon the low numbers in recent weeks, but were 29 below the corrected average; 4 belonged to Pancras, 6 to Islington, 4 to Bethnal Green, 5 to Bermondsey, 4 to Camberwell, and 4 to Greenwich sanitary areas. The deaths attributed to diarrhæa and dysentery, which had been 11 and 10 in the two previous weeks, rose last week to 18, and exceeded the corrected average by 3; 11 were of infants aged under one year.

The deaths referred to enteric fever, which had been 10 and 6 in the two preceding weeks, further declined last week to 3, and were 7 below the corrected average. One belonged to Lambeth sanitary area, while two were hospital cases admitted from Acton and Slough, both situated outside Registration London. The Metropolitan Asylum Hospitals contained 19 cases of enteric fever, and 2 of typhus on Saturday last; 2 cases of enteric fever, and not one of typhus, were admitted

during the week.

The deaths referred to diseases of the respiratory organs, which had been 294 and 300 in the two preceding weeks, further rose last week to 305, but were 78

below the corrected weekly average.

Different forms of violence caused 69 deaths; 63 were the result of negligence or accident, among which were 23 from fractures and contusions, 5 from burns and scalds, 2 from drowning, 3 from poison, and 26 of infants under one year of age from suffocation. The 23 deaths from fractures and contusions were thus caused: -4 by accidents from vehicles in the street; 1 by fall from horse; 4 by fall down stairs or steps; 1 by fall from window; 2 by fall from roof; 1 by fall from swing; 1 by fall down lift-hole; 2 by fall in street; 1 by fall on board ship; 1 by fall, the nature of which was not stated; 1 by fall of debris from gas explosion; 2 by injury from machinery; and 2 by fractures, the cause of which was not stated. An inquest was held in each of these cases except the last two. Three cases of suicide were registered, being 8 below the corrected average,

# GREATER LONDON.

In Greater London 3304 births and 1856 deaths were registered, corresponding to annual rates of 30.6 and 17.2 per 1000 of the estimated population. In the Outer Ring 13 deaths from measles were registered, including 3 in Bexley and 3 in Acton sub-districts. Two deaths were referred to "fever" in Croydon sub-district.

### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.62 ins.; the lowest reading was 29.28 ins. on Wednesday morning, and the highest 29.85 ins. on Friday morning. The mean temperature of the air was 47°.5, and 0°.9 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Monday, Friday, and Saturday, while it was below the average on each of the other days of the week. The general direction of the wind was S. W. Rain fell on six days of the week, to the aggregate amount of 0.75 of an inch. The duration of registered bright sunshine in the week was 31.3 hours, against 34.7 hours at Glynde Place, Lewes.

																																		-	_
	CHIEGO	AND	BOROUGHS.		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	LIVERPOOL.	BOLTON.		MANCHESTER.	OLDHAM.	BLACKBURK.	PRESTON.	HUDDERSPIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIKED.	Charper Awn	NEWCASTIR.	CARDIER.	OABLIEF.	EDINBURGH.	GLASGOW.	DUBLIE.
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TABLE	Registered during	27th Apr., 1889.	BIRTES, DEATES.	-	e,	5719	2522	49	06	200	122	₽0	980	102	116	28	19	873	16	267	144	13	67	90	44	312	166	180	127	92	113	82	189	453	202
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Table 2. LONDON.—Births and Deaths Registered in the SEVENTEENTH Week of each of the Eleven Years, 1879-89.

İ		1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.**	1889
	Total Births Males Females .	2639 1958 1281	2559 1803 1256	2829 1480 1399	2490 1294 1196	2514 1217 1297	2807 1402 1405	2561 1326 1235	2515 1253 1262	2516 1307 1209	2577 1297 1280	2836·0 1438·0 1398·0	2522 1279 1243
	Total Deaths Males Females .	1771 934 837	1387 727 660	1550 786 764	1520 784 736	1635 840 795	1660 881 779	1549 793 756	1472 762 710	1481 748 733	1487 750 687	1686·1 872·9 813·2	1463 777 686

<sup>\*</sup>The numbers in this column are the average weekly numbers in the seventeenth weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population.

TONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last Thirteen Weeks.

	TABL	E 3. TIOI	HUON.—E	TIET HE	, DEA	· IIII	and 1	LUIL	JEOHO	U A AL	6220	23000	Z 41110,		AA EEB	
Ī				Feb.	Feb.	Feb. 16.	Feb. 23.	Mar. 2.	Mar. 9.	Mar. 16.	Mar. 23.	Mar. 30.	Apr.	Apr. 18.	Apr. 20.	Apr. 27.
۱	TOTAL	Births		2662	2772	2511	2695	2609	2698	2699	2670	2808	2676	2509	2488	2522
۱	TOTAL	Deaths		1570	1460	1516	1567	1472	1637	1638	1554	1476	1572	1493	1426	1463
۱	Ages at Death	$\begin{cases} 0-20 \text{ ye} \\ 20-40 \\ 40-60 \\ 60-80 \\ \text{at 80 year} \end{cases}$	ears - ,, - ,, - ,, - ,, - ,, -	714 158 270 338 90	650 181 243 813 78	655 182 279 322 78	666 202 278 337 84	681 153 254 814 70	695 175 309 391 67	719 188 298 357 76	666 165 274 366 83	642 200 274 287 73	729 175 287 305 76	671 183 266 310 63	670 174 214 299 69	708 171 257 264 63
١	,,	$ \begin{cases}     Under 1 \\     1-5 \\     5-20 \end{cases} $	ear -	370 250 94	324 233 93	326 247 82	344 238 84	349 257 75	322 277 96	362 249 108	317 276 73	316 242 84	368 261 100	822 251 98	299 279 92	361 273 74
	Deaths f	", Typhur, Enterior Simple Diarrin Dyse , Choler , all the mentioned , Dis. of tor	s fever leria - ing-cough c fever - Contafever ca and entery - a - Diseases Respira- y System	182 409	56 12 24 33 - 5 - 18 - 148 340	-43 16 24 31 - 13 - 10 1 138	70 14 27 31 1 8 - 16 -	- 67 12 25 31 1 6 - 18 - 160	76 16 20 29 - 4 3 15 - 163 402	60 16 31 37 -6 - 14 2 166 396	-84 66 23 42 -4 -18 -177 378	56 11 18 51 - 8 - 9 - 153	74 15 26 49 - 17 - 190 364	72 13 36 43 1 10 1 11 - 187 294	70 10 22 51 -6 - 10 - 169 300	- 65 9 29 56 - 3 1 18 -
ı	"		is - f Circula- } y System }	138 142	140	158	156 130	127	161 150	162 157	139	153 153	170	152 135	128	164 120
-	Violent Inquest Deaths i		stitutions	55 104 382	49 91 314	44 98 375	65 114 353	57 118 353	52 114 395	63 127 378	53 111 365	52 125 354	69 130 340	68 130 325	57 111 315	69 116 331
	Mean Mean	of Highest of Lowest	readings -	43·1 49·4 36·5	35·6 41·9 30·2	34·3 40·9 27·1	41·4 47·3 36·2	32·8 37·7 29·8	37·4 46·3 28·9	38.8 46.8 31.2	42.5 50.3 35.7	45.6 54.6 38.6	43.5 51.8 37.4	43·5 50·4 38·6	46·5 55·3 39·8	47.5 57.8 39.1
	Rain-fal	ty of the Ai Il in inches red Sunshine		88 0·22 13·0	81 0·80 7·4	84 1·19 8·7	81 0·05 14·9	83 0·13 7·6	75 0·54 26·0	80 0·04 14·8	80 0·53 18·4	81 0·11 14·3	78 0·27 21·3	90 0·56 8·6	84 0·10 12·5	80 0·75 31·3

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolver-hampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingsham; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the

SEVENTEENTH Week of the Year 1889.  In the Week ending In the Week ending																			
	for the	-8	In	the V	Veek 27th	end Apri	ling 1 1889	).			or the	- 5	latur	n the	We 27th	ek er Apr	nding	39.	
1	es for			aths o	of Pe	rson es	s of				ges for	Deaths of Persons of the Ages							
CAUSES OF DEATH.	Corrected Averages fo 17th Weeks of the 1879-88.*	ALL AGES.		nder 20.	-20.	and under 40.	and under 60.	and und	upwards.	CAUSES OF DEATH.	Corrected Averages for the 17th Weeks of the 10 years 1879-88.*	ALL AGES.	0-1.	nder 20.	5-20.	and under 40.	and under 60.	and und	upwards.
	57	4	61	-1	10	2	9	9   9	00		ŏ-	4	0	-	9	50	9	8	3_
ALL CAUSES	1686.1	1463	361	273	74 1	171	257	264	33	Diseases of Organs of } Special Sense † }	2.6	2	-	1	1	-	-	-	-
Small- Vaccinated Unvaccinated	17.4	-	-	-	-	-	-	-	-	Diseases of Circulatory } System }	108.1	120	-	1	7	20	41	45	6
No Statement Measles	65.6	65	11	48	6.		-	-	-					_					
Scarlet Fever	23'4	9	2	7	-		4	-	-	Croup Bronchit!s	11.9	14 160	3 52 27	8 32	3 1 6	2	19	48	11
Typhus	1.0	B	-	-	-	-	-	-	-	Pneumonia	108'6	101	27	24	6	13	14	13	-
Relapsing Fever +	0.0	H	-	-	-	-	-	-	-	Other Diseases of Respi-	34.7	25	7	6	1	1	4	6	-
Influenza	0°3	1 56	18	37	1	-		-	-					_					-
Whooping-cough	17.7	29	-	22	6	1	2		-	Dentition †	20.4	10	4	6	- 00	-	ĩ	-	-
Diphtheria	1.8	1				-	1	_	_	Quinsy, Sore Throat † - Enteritis	1.8 7.6	5	1	-	1	2	1		-
Ill-defined Fever - 5	10.3	3								Peritonitis Diseases of Liver	30.9	3 25	3	-	1	3	1 13	6	
Enteric Fever	0.3	-				1	2			Other Diseases of Digestive System -	30.2	20	2	1	-	-	11	4	2
Cholera	14.8	18	11	8	-	-	3	3		23,500,000 0,500,000					_		_		-
Remittent Fevert	0.0		-	-	-	-	-	-	-	Diseases of Lymphatic)	0.5	1				1			
Hydrophobia	0.1	-	٥	-	-	-	-	-	-	System & of Ductless }	2.7	1		-	1	1			
Glanders	0.5			-	-	,-	- 1	-	-					-	-			-	
Cowpox and Effects of \ Vaccination † }	0.3	-		-	-	-	-	-	-	Diseases of Urinary System }	41.9	44	-	-	2	5	18	16	3
Venereal Affections -	8.5	10	7	-	-	1	1	1	-	Systom = -)				_	_				_
Erysipelas	5.6	3	1	-	-	-	1	-	1	Diseases of Generative	010	5				3	1	1	
Pyæmia and Septicæmia †	8.2	2 2	2		-	-	-	-		System	8.6 8.6	6	-		-	5	1	-	-
Puerperal Fever	2.0	5	_	2	1	1 -	1	2		Accidents of Childontal		-	-		-	-		-	
Other Zymotic Diseases		-	-		-			-	-	Diseases of Locomotive	7.0	7	-	-	2	1	-	4	-
Thrush	2.0	3	3	-		-	-	-	-	System † 5			-	-			-	-	
Worms and other Para-	0.9	-	-	-	ı.	-	-	-		Diseases of Integumen-	0.2	1	-			١.		1	
sitical Diseases			-	-					-	tary System}	6.2	1						_	
Starvation, Want of	2.0	1	1		П		_	_			1								
Breast-milk †)	4.0	2								VIOLENT DEATHS.§									
Alcoholism	10	-		-	-	-	2			ACCIDENT.)								1	
Rheumatic Fever,	7.9	2	1 -		1			1		Fracture and Contusion	22.6	23	-	1	5	5	4	4	4
Rheumatism of Heart†		3			1		-			Gunshot Wound Cut, Stab	0.2	· · · · · · · · · · · · · · · · · · ·	-	-	-	-	-	-	
Rheumatism †	2.9	1		-		-	1		_	Burn and Scald Poison	1:0	5 3	-	4	1	1	1	-	-
Gout	4.3	5	2	3	-		-		_	Drowning Suffocation	13.2	2 27 3	26	-		1	-		-
Cancer	1 21.0	56	1	-	-	6	25	23	1	Otherwise	2.2	3	2	-	1				
Tabes Mesenterica -	24'5	28	18	11,	1	2	-	1	-										
Tubercular Meningitis -		20	4		4	-	-	-	-	(Homicide.)	2.4	3	1 8						
Phthisis	182'3	164	4		9	76	59	8	-	Murder & Manslaughter	2.4		°						-
Scrofula, Tuberculosis - Other Constitutional	. 1		1	1	8	5		-		(0		1	1						
Diseases †	11.0	8			Ji	2	4	2	-	(SUICIDE.) Gunshot Wound -	0.9	-	-		-				-
Promotone Bi-th	84.5	36	36			1			-	Cut, Stab	2.8	1	-			: 1		-	
Premature Birth -	2.6	36	4	_	-		-	-	-	Drowning		1	l :			- 1 -	-   1		
Congenital Malforma-		5	5						-	Hanging Otherwise	0.9	-			-				-
tions	2					-		00	20						-			-	
Old Age	- 57.0	43			-	-	-	23	20	(EXECUTION.)									
Apoplexy	- 46.0	38	1	L		2	10	23	2	Hanging	0.0	-	1 .			-		-	-
Epilepsy	- 6.2			1	-	1		1	-		-	-1-	-			-			
Convulsions	- 49.3	42	36	6	-	-		-	-		55*7	50	41	7 :	1 .	-   -	- 2	-	-
Other Diseases of Brain and Nervous System	97.5	107	19	20	10	0	13	30	9					1					
		1	-					1		1970 CQ majord by Q		and Co			5	00011	Intion	n.	

able the Coroner to certify whether a violent death be the result of accident, murder, der "necident or negligence.".

TABLE S. LONDON.—Population; Bieths; Deaths from all Causes, and from Small-pox, Measles, Starley during the Week ending

											_		_		the	.,	CIL	- ng
		1					The	DEA	THE	egist	ered i	n the	Wee	kine	lude			
	Enume-			Deat	hs of					Deatl	as fro						01	80
REGISTRATION	rated Popu-	8H.	THE.	ler 1 ge.	aged 60 & upwds			er.		hooping-cough		(or	con-			Cases.	Public ons.	Causes
SUB-DISTRICTS.	lation, 1881.	BIRTH	DEATER	s under of Age.	18 ag	-pox.	CM.	t Fever	heria	ping	d8.	ie (c	80 40	hoes.	nog.		in in	ncertified of Death.
		Total	Total	Infants Year o	Years !	Small-por.	Measles.	Scarlet	Diphtheria	W hoo	Typhus.	Enterio (o)	Simple	Diarrh	Violence	laquest	Deaths	Uncer of L
STATE AND ADDRESS OF THE PERSON NAMED IN COLUMN 2 IN C					-		-				_		1	18	69	116	331	18
LCNDON	3,815,704	2522	1463	361	327	-	12	9	8	8	-	3		2	11	15	83	2
West Districts	905,947	363 560	266 303	90	79 68		8	2	5	13	-	-	-	4	12	20	64	8
CESTRAL DISTRICTS	282,238	131	111	28 79	13		3	8	6	9	-	1	1	1 2	12 16	15 33	38 <b>62</b>	2
EAST DISTRICTS - FOR-	692,738	512 956	276 507	123	104	-1	81	1	6	24	-	1	-	9	18	33	84	11
METROPOLITAN ASYLUM 1.05 PITALS OUTSIDE REGISTRATION LONDON -	-	·			-	-	-	-		-	-	-	-	_	-	-	-	-
WEST DISTRICTS. St. Mary Paddington WHH G.J. & W.M.	69888	38	22 14	5	7 3	-	1		1 2	-		ī	-	-	1	2	2	1 1
Kensington Town Ww W.M.	37330 120141 48010	52 11	43	10	19	1	ī	1 -	-	1 -	-	-	-	-	4 -	3 -	9	1 1
Brompton H - W.M.	7 KOO	4 65	4 32	8 5	1 8	=	1 1 1	- 1	- 4	- 2	-	-	1		1 1 2	4 3	4	111
St. Peter Hammersmith H W.M. & G.J. Fulham Www W.M. & C. Chelses South HHH - C.	1 0990	18	39	1 3	8 5	=	1	-	1	-	-	-	-	-	-	-	2 16	
Chelsea North-west WHHHHHH. C. C. C. C. C. C. C. C. C. C. G.J.	24925 32807 80353	16 30 6	23 3 10	1 2	6 1 5	-	1	-	-	1	-	-	-	-	-	-	7	-
Belgrave WHHH C.	59220 35496	26 29	28 9 8	1 2	7 1 3	-	3 1	-	-	1	-	1 -	-	1	2 -	2	11 2	2 -
St. John Westminster H - C. St. Margaret Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	24679 29941 16608	9 5	9	1 1	1	-	1	1	-	-	-	-	-	-	-	-	1 -	- 1
NORTH DISTRICTS.	26759	8	9	_	_		_	_	_	1		_	_		-	_	4	,
All Souls Marylebone HHHHH - W.M. Cavendish Square HHHHH W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone HHH G.J. & W.M. Christchurch Marylebone HH - V.M. Rectory Marylebone HH - W.M.	14891 24809	13	6 14 6	1 5 6	3 5	-		-		1 -	-	-	-	- 1 -	1	1	5 2	- 1
St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone HH - W.M. St. John Marylebone H - W.M.	21118 83700 33638	33 18 10	7 8	4 2	2 2	-	-	-	=	-	-	-	=	-	1	1 -	-	1 2 -
Hamneteed WannHHHH N. It. & W. III	45452 89115	29	17	5	5 4	-	1 -	1 -	2	1	-20	-	-	1	-	-	6	-
Regent's Park Paneras H - W.M. Tottenham-court wHHIIH N.R.&W.M. Gray's Ina Lane HHH - N.R. Senger Town H N.R.	27729 30247	9	14	1 2 8	1	-	-	-	-	1 -	-	-	:	1	1 4	1 5	8 5	-
Camden Town WH N.R.	84369 17311 87487	25 15 58	11 9 30	5 1 9	5 5	-	-	-	=	- 3	-	-	-	111	1 1 1	2 3	3 7 6	1 1 1
Upper Holloway WWwH - N.R.	67946 100976	46 55	32 33	12	9	-	4 2	1	ī	4	-	-	-	-	ī	1	9	-
Highbury H N.R.	61895 52048	34	20 8 8	3 3	3	-	-	-	-	1 -	-	-	-	-	-	1 -	-	1 1 1
Stoke Newington H - N.R. Stamford Hill - E.L. West Hackney H - N.R. Hackney WwwH - E.L. & N.R.	92781 9277 87610	14 7 25	11	3	3 1 2	=	1 -	-	-	-	-	=	-		-	1	=	. 1
South Hackney	76911 39888	26	25	8 2	2	-	,-	-	2 -	=		-	-	1 -	1 -	1	8 -	111
CENTRAL DISTRICTS. St. George Bloomsbury - N.R.	16681	7 9	2	- 4	-	-	-	-	-	-		-	_	-	-	-	-	1
St. Giles South WH N.R. St. Giles North - N.R. St. Martin-in-the-Fields HH N.R. & C.	14864 13837 17508	5	10	1 4	1 1 -	-	ī	-	-	-	-	-	-	1 -	1 -	2 -	-	-
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	2 2 1	1 5 1	2	- 1	-	-	-	1	-	-	-	-	-	3 1 1	3 1 1	7 4	1111
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R. Safron Hill H - N.R.	18671 10706	8 2	10	2	2	-	1	-	-	-	-	-	-	-	2	2	4	11
Sattron Hill H N.R. St. James Clerkenwell N.R.	6583 17516 19281	13 12	6 8	1 -3	-	-	1	-	-	1	-	-		-	-	-	-	1 1
Saitron Hill H St, James Clerkenwell - N.R. Amwell Clerkenwell - N.R. Pentonville - N.R. Goswell-street - N.R. Old-street H - N.R. City-road HHL - N.R. Whitecross-street - N.R. Finsbury - N.R. Halborn Union Workhouse, Mitcham, w.	14773 17506	11 12	3	5	2	-	-	-		1 -	-	-	-	-	-	1		111
Old-street H N.R. City-road HHL N.R. N.R.	18628	20 3	7	1	2	=	-	-	-	-	-	-	-	-	-	=	6	-
Finsbury Holborn Union Workhouse, Mitcham, w.	7468	2 -	2 -	1	-	=	-	-	-	-	-	-	=	-	ī	ī	-	111
De Rotolph H N.K.&E.I	11174	7 1 2	4 2	1 -	1	-	-	-	-	-	-	=	1		-	-	-	
St. Bride W N.R. Allhallows Barking N.R.	8396	1 2	17 1	-	1	=	-	-	3 -		-		-	-	3	4	16	1 1 1
Broad Street H N.R	. 5652	1	1 -	1 -	-	1-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The Italic letters placed against the names of the suo-districts denote Public Institutions situated therein, namely; W-Work-house E.—Hospital; L-Lunatic Aspium; w-A Workhouse Establishment receiving numates from other D-arrots than that in which it stands see note at the foot of next page. The Roman capitals signify the Water Companies which supply the dillerent sub-districts t-G.J. significs Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Bouthwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East London; and K. the Kent Company.

TEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

							The	DEAT	rus re	giste	red in	the	Week	inel	ude			
	Enume-			Death	s of	Deaths from												
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHE.	Total DEATHS.	Infants under l Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or Typhoid) Fever.	Simple con-	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
East Districts.  lywell Shoreditch $-1$ N.R. & E.L. Leonard Shoreditch $+L^{\bullet}$ , $-1$ N.R. xton New Town $**o$ - N.R. xton Old Town - $-1$ N.R. & E.L. ggerston $WH$ - N.R. & E.L.	7376 14967 29937 28036 46275	5 7 21 15 87	2 8 14 5 22	1 3 8 1 5	8 1 7	11111	11111	- 1		11111	11111	11111	11111	1	1	4 - 3	1 6 7 7 10	
ackney-road H E.L. reen, Bethnal Green WHL* - E.L. uvn, Bethnal Green - E.L. wn, Bethnal Green - E.L.	29788 47982 29981 19810	16 83 25 17	11 27 14 11	9 7 5 2	1 4 2 8		2 4 -	111	1	3 -	-		1111	1111	1 -	3 1 1 2	8 -	1
italfields - E.L. & N.R. ite End New Town # - E.L. hitechapel Church # E.L. & N.R. oddman's Fields - E.L. hdgate - N.R. & E.L.	22585 15478 17490 9713 6102	20 28 8 7 6	7 6 24 2 2	2 1 3 2 1	1 - 1	11111	1		11111	1	1,1111	11111	11111	11111	51	5 1 1	8 16 -	11111
George's North E.L. John, St. George East W - E.L.	88747 8410	28 8	8 3	1 -	3 1	-	-	-	-	-	-	-		-	1 -	1 -	8	1 -
adwell HH - E.L. & N.R. atcliff E.L. mehouse E.L.	10895 16107 82041	7 18 29	8 6 17	8 1 9	2 8		- 3		111	ī		111	111		-	111	3 -	-
ile End Old Town West E.L. ile End Old Town East WwwH- E.L.	87960 67658	30 49	11 16	4	3	-	1 -	2	-	1	-	-	-	-	1	1 2	2	-
ow ' E.L. romley wwwH E.L. oplar WWH E.L.	87074 64859 55077	26 44 88	10 25 20	2 4 6	1 9 6	111	1		1	2	111		=	ī	1 1 2	2 2 4	10	-
SOOTH DISTRICTS.   L. & S.	18663 14999 21881 15968 21318 26672 59555 21623	8 9 21 14 18 26 54 18	5 4 12 10 5 10 20 13	1 2 5 4 1 3 6 4	1 - 3 2 - 2 3	1111111	181	11111111		1 1 1	11111111	11111111	1111111	1	1 1 -	1 2 -		
t. Olave WH S. & L. eather Market S. & L. t. Mary Magdalen W S. t. James Bermondsey - S. otherhithe WH S. & K.	11956 16300 15669 54682 36024	7 12 10 35 27	11 13 6 22 18	1 6 2 7 2	2 1 1 4 9	11111	1 -		11111	4	-	11111	1111	1	1 1 3 -	2 1 1 3 -	9 - 8	3
Vaterioo-road ist $H$ - L. & S. Asmbeth Church ist $H$ - L. & S. Asmbeth Church ist $H$ - L. & S. S. Asmbeth Church 2nd $WW$ - S. & L. Cennington ist - S. & L. Cennington ist - S. & L. L. & S. Church was $W$ - L. & S. & L. Cirkton was - L. & S. & S	15195 16351 19876 39859 45232 35832 62837 19017	8 22 13 24 24 26 45 16	8 8 19 19 17 5 15 3	3 1 5 - 5 3 4 2	2 2 5 2 2 3 1	11111111	1 2 - 1	1111111	2 1	1111111	1111111	1	11111111	1 1 1 1	1 -	5 2 2 1 1 -	14 12	
Ant Battersea	54675 52587 86380 28004 13235 25558	48 52 20 28 6 28	19 27 6 9 1	7 10 1 1 2	4 6 2 3 1 8	11111	1	1	1	1 2	111111	111111	11111	1	12	1 2 - 1	8	
Oulwich L. & S. amberwell - WwL*L* - S. & L. eckham W S., L., & K. d. George Camberwell - L. & S.	59104 71089	40 51 41	44 21 16	5 4 8	12 4 2	1111	1 -	1111	1111	1 1 2	1111		-	1111	1	2 2 1	1	
t. Paul Deptford $ww$ - K. K. Nicholas Deptford - K. Areenwich West $H$ K. Greenwich East $WHH$ - K.	76752 7901 21972 24608	62 4 12 26	35 2 5 18	6 - 3	4 - 3		6 - 4		1	1 - 3	1111			1 -	1111	1	5	
Eltham $H$ $K$ . Lee $H$ $K$ . Lewisham $WH$ $K$ . Lydenham $H$ $L$ .	5048 21559 19865 26076	2 11 16 8	1 13 8 5	1 3 8	1 5 2	1111	1 -			ī	1111		1111	-	1	1111	2	
Charlton $H$ $K$ .  Woolwich Dockyard $K$ .  Woolwich Arsenal $HH$ $K$ .  Plumstead, West $H$ $K$ .  Plumstead, East $W$ - $K$ .	10930 17617 19048	10 12 18 8 8	2 4 5 4 18	1	4 3	11111	1 -	11111		1	11111		11111	11111				
Metropolitan Asylum Hospitals: Dartford w	= =	=	-	-	-	-	-	-	-	-	-	1	-	-	-	-		

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in above Table by w:-

we Table by w:

Marylebone infirmary in Kensington Town sub-district.
Central London Sick Asylum in Tottennam Court-road sub-district.
Holborn infirmary
London City Workhouse
Holborn "Hoxton New Town sub-district.
"Hoxton New Town sub-district.
"Mile End Old Town Eastern sub-dist.

London City "Mile End Old Town Eastern sub-dist.
"Mile End Old Town Eastern sub-dist.
"Mile End Old Town Eastern sub-dist.
"Mile End Old Town Eastern sub-dist.
"Mile End Old Town Eastern sub-dist.
"Mile End Old Town Eastern sub-dist.
"Mile End Old Town Eastern sub-dist.
"Mile End Old Town Eastern sub-dist.
"Mile End Old Town Eastern sub-dist.
"Mile End Old Town Eastern sub-dist.
"Mile End Old Town Eastern sub-dist.
"Mile End Old Town Eastern sub-dist.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION; BIRTHS and DEATHS registered during the

District   Sub-District   Sub-Dist		e.—LONDON.—			Wee	k end	ing S	aturd	ay, 2	7th A	pril,	1889	•						_
Transion   Armin   Employee   Armin   Sample   Armin   Sample   Armin   Sample   Armin   Arm	Ragig.									The D	EATHS	regist	ered in	the '	Veek i	include			-
LONDON - OUTER RING   \$70.024   \$60.037   783   383   84   66   - 13   1   3   3   4   4   13   22   35   6	tration			Enume-			Deat	ths of				Death	s from						90
LONDON - OUTER RING   \$70.024   \$60.037   783   383   84   66   - 13   1   3   3   4   4   13   22   35   6	_	REGISTRATION			HS.	THS	rd H oi	60 rds.					ngp.				38.	ublication.	Caus
LONDON - OUTER RING   \$70.024   \$60.037   783   383   84   66   - 13   1   3   3   4   4   13   22   35   6	_	SUB-DISTRICTS.			IRT	EA	unde f Age	aged	ř.		GVE	ria.	90		· di	2	Cas	in	fled atu.
LONDON - OUTER RING   \$70.024   \$60.037   783   383   84   66   - 13   1   3   3   4   4   13   22   35   6	Num-		and	1881.	m m		nts 1	ons	ll-po	sles.	let I	hthe	oopii	er.	rrha	lene	uest	atha	certi
Solid   Carebalton with   1928   2011s   1928   2011s   1928   2011s   1928   2011s   1928   2011s   1928   2011s   1928   2011s   1928   2011s   1928   2011s   1928   2011s   1928   2011s   1928   2011s	bers.						Infa	Pers	Sma	Mes	Sear	Dip	Wh	Fev	Dia	Vio	Inq	De	Un
Social Carshalton   WE   1928   1115   12   6   1   1   -   -   1   -   -   -   1   -   -	101	THOSE OFFICE PLACE	970 094	050.057	700	503	84	106	_	13	1	3	3	4	4	12	22	35	6
Second   Carried   Carri	101	DON - OUTER RING	010,044	950,957	102	900					-								
Second (part of )	30:1	Carshalton wZ -	12228	21118	12	6	1	1	-	-	-	_		- 1	_	-		-	40
Signature   Sign	2	Epsom (part of)* WwH	9971	10710	G	1	-		-	-		-							-8
20	87:1	Godstone (part of) * -	2754	1235	1	1			-	•	~		-		•				
Second   S	_					1 -		12	-	1	-		1	2 -	-	-	5	-	-
Selection   Wilth					i i			1	-	-	-	-	-	-	-	1		-	-
## Hampton ## - 4573 18589 13	2	Kingston WHH	8549	36354	26	18	8	_	-	5	-	-	-	-		-	1	1	-
## Helmond   WH -   2272   21802   6   13   2   8     3   8   2     3   Mortlake   2911   13331   10   8   1   1         3   8   2     -   -   -   -   -   -   -			1	1			2	_	-	-	-	-	-	-		-	-	-	*
2   Mortlake     991   1263   10   8   1   1       -   -   -   -   -	40:1						2	8	-		-	-	-	-	~	.8	8	2	-3
2 Chishrat(pt.of)* WHH 1407 18844 6 3 3 - 1 1						]			-	-	-		-					_	
42:1   Bexiey   H		Bromley (pt. of) * HH Chishrst(pt. of) * WHH		1			2 -		-	-	_	-	-	-		-	-	1	-
Darticrd (yet, piss of)   1	42:1		Į.		26	1	2	3	-	8	. •	-	1	-	-	-		-	-3
184   1   Sunbury			-	-		1	-		-	-	-	-		-1		-		1	
128:1   Hillingdon   WHH   -				1		3			-	-	-	-	_	-		-	-	-	-
2 Uxbridge 6178 5225 4	125:1		1		5		1	1	-	-	-	~		-	-	-	-	-	-
126:1   Ialeworth   WHH	2	Uxbridge			_		- 0		-	-	-	-		-		-		4	-
Twickenham   H -   2477   12479   10   1   -   -   -   -   -   -   -   -   -			1	1			_	1				_	-		1	1			-
4 Chiawick   1340   15975   12   2   -   1   -   -   -   -   -   -   -   -		TOTO HOLDE WATER	2477	12479			-	-	-	-	-	-	· -	-		-	-	- 1	8 V
8 Acton wh 6088 22876 21 16 8 2 - 8 - 1 1 - 1 1 1 1 1 1 - 2 Edgware H 18909 13796 8 6 1 1 1 1 2 Edgware H 6094 3749 2 1 1 1 1	8			1			1 -		-		-	-	-	_	_	_	_	_	-
2 Edgware H - 6994 3749 2 1	5					11	8		-	_	-	1	-	-	-	-	1	-	-
3 Willesden 4883 27453 33 10 4 8 8 1 1 4 3 1  127:1 Bushey 9331 6621 6 2 - 1 1 3 1  127:1 Bushey 9331 6621 6 2 - 1 1 1  3 Watford (W, pt. of)		1		1			1	-		-	~	-		-		1			* .
137:1 Bushay 3331 6621 6 2 - 1 1 1 28:1 South Mimms 15599 6391 - 2 - 2							4	8		_	_	-				1		-	-
2 Watford (W, pt. of)*	4	Hendon W	8382	10484	10	6	1	8		1-1		1	-	-		-		8	1
138: 1   South Mimms			9331	6621	1	2			-	_	-	-	-			-	1 -	-	-
2 Barnet 5433 10092 11 5 - 3 2 - 3   Finchley HL 4688 17615 14 5 - 2 2			15599	6391	1	2			-	-	-	-	-	-	1	-	-	-	-
135:1 Hatfield (part of) ** - 3806	3	Barnet		1		33	-		-	-	-	-	-	-		-	-		
139:1   Hornsey H   3039   37078   30   15			1		1	5		2			_							2	e/
2 Tottenham H 4642 46456 53 25 9 6 2 2 2 2 1 3 Edmonton Ww 1 - 7483 22468 24 12 2 7 - 2 2 9 2 - 4 Enfield WH 12653 19104 20 5 2 1 1 1 1 1 6 Waltham Abbey 11017 8363 1 1 1 1						15	-		-			-	-	_	_	-		-	-
4 Enfield WH 12883 19104 20 5 2 1 1 1 5 Waltham Abbey 11017 8363 1 1 1 1 1 6 Cheshunt 8480 7735 6 5 1 2 1		Tottenham H		46456	53	25		1	-	-	-	-	-	-	-			-	1
5 Waitham Abbey - 11017 8368 1 1 1				_					-		-	-	-	-	_			2	-
186:1   Stratford   882   38606   24   17   4   4   - 1   1   1			)	3	1	1	-	-	-	-	-	-	-	-	-	-		-	-
2 West Ham www.H§- 7351 101083 36 49 14 7 - 2 1 1 - 1 1 - 1 - 2 3 Leyton WwL - 4373 32430 46 25 1 14 10 - 4 Walthamstow H - 6620 28869 39 7 1 1 1 187:1 Chigwell (part of) * H 11761 9669 10 4 3 1 2 Epping (W, pt. of) *				1			1			I	-	-	-	1	-	-	-	-	
4 Walthamstow H - 6520 28969 39 7 1 1 1 1 187::1 Chigwell (part of) * H 11761 9659 10 4 3	2	West Ham wwwwH§-	7351	101053	. 96	11	14	\$	1	i .	1	1	-	1	1	-	1	-	2
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2 Epping (W, pt. of)*		Chigwell (part of) * H	1	1	1	11	1							-	-		-		-
2 Hford 8493 7845 8 8 1 2			1	1		11	-	1 .	-	ŀ	-	-	1	-	-	-	-	-	-
3 Barking Town - 4127 9903 0 0 0				3		13	1	2	-	-	-	-	-	-	1	-	-	-	-
	1 :	Barking Town		1					-	-		-	-	-	1	-		-	-

<sup>\*</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:—
30:2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parishes of Cudham and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42.2, Dartford, 187:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 27th April, 1889.

			ANNUA	L RATE			The DE	ATHS	regi	stered	l in t	he W	eek i	nelud	.6	
GREATER	Area in Acres,	Estimated		0 living.	DEATHS	· Deat	hs of			3 1	Death	s from	n			Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fover.	Diarrhoa.	Violence.	Deaths in Pu Institution
Cols	. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
REATER LONDON	448,334	5,642,015	17.2	1.9	1856	445	433	-	78	10	32	59	8	22	81	366
0	- 77,410 - 370,924	4,351,738 1,290,277	17·6 15·9	2.2	1463 393	361 84	327 106	-	65 13	9	29 3	56 3	4	18	69 12	331 35

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 3.-BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,567,002 Persons.

		020000000000000000000000000000000000000			, ,							
						DE	ATHS		PRIN	ES.	ZYMO	
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
CALCUTTA	433,219 {	February 23 March 2	111	210 204 201	25°2 24°5 24°2	4 4	1		17	1 -1	51 51 40	46† 47† 53†
BOMBAY	773,196	April 2	241	447	25:6	10	36		?	5	161	25
MADRAS	398,777	March 15	284	345	45.0	1	37	?	9	?	68	55†
PARIS	2,260,945	April 20	1307	972	22.4	7	29	2	31*	10	7	48
RUSSELS	471,606	<sub>30</sub> 20	235	164	18:1		1	-	ine .	. 2	.3	16
ith 8 Faubourgs.)	390,016	,, 20	286	153	19.9	- 1	14	-	2	1	1	
COTTERDAM -	197,723	, 20	. 151	85	22*3		3	-	-	1	~	Ľ
THE HAGUE .	153,440	39 20	90	60	20°3	-		~	***		1	-
OPENHAGEN -	807,000	,, 13	219	117	19.9	-	-		. 4	6	-	8
TOCKHOLM -	221,549	" 13	144	92	20.9	-		-	4*	-	-	6
HRISTIANIA -	138,300	20	48	45	16.9	-	1	-	. 4	3	~	2
T. PETERSBURG	842,883	, 13	-	626	38.8	2	-	14	6	9	14	90
BERLIN	1,470,582	, 6	891	704	24.8	-	4	3	20	5	6	118
HAMBURG(State)	550,694	13	426	248	23.2	-	2	1	8*	5	3	5
DRESDEN	264,196	" 13	182	114	22.4	2.	-	2	5*	. 5	_	5
BRESLAU	313,451	" 20	245	148	24.7	-	2	-	3* 7*	1	_	11 16
MUNICH	281,000	" · 13	217	173	32.0	-	7	6	7*	1 5	2	21
VIENNA	811,434	,, 13	556	457	29*3	-	4	3	7	2	5	21
PRAGUE	304,356	13		186	31.9	6	1	. 3	4	2	8	24
BUDA-PESTH -	452,907	,, 13	369	308	35*4	-	_		1	-	1	°1
PRIESTR	158,084	" 13		83	27.3	1		-				
Rome	401,044	March 9	262	257	33.3	4	.3	1	- 6		6‡	10
TURIN (11 days)-	306,398	,, 31	-:	-	-	-	- 8	_		_		6
VENICE	153,375	April 13	79	81	27.6	2		-				
CATRO	374,838	. 4	328	326	45.4	5	1		3*	6	21	107
ALEXANDRIA -	231,396	,, 4	200	228	51°4	1	18		~	2	71	59
NEW YORK -	1,549,500	, 6	-	862	29.0		13	71	48	19	6	8
BROOKLYN -	814,505	, 6	-	347	22.0	-	8	12	23	5		5
PHILADBLPHIA -	1,040,245	,, 6		372	18'7	-	1	5	16	1	7	2
BALTIMORR -	500,843	,, 6	-	162	16.9	-	-	-	2	1	1	

Including deaths from croup.
 Including 26, 27, and 41 deaths respectively from cholera in Calcutta, and 1 in Madras.
 Including 4 deaths from malarial fever.

1889 TABLE 9 .- METEOROLOGICAL OBSERVATIONS taken at the BOXAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 27TH APRIL, Under the Superintendence of the Astronomer Royal.

symbols employed are: -P. positive; N. negative; W. Weak; m. moderate; s. strong; and v. variable. The reading of the barometer decreased from 29.80 in. at the beginning of the week to 29.750 in. by 8h. P.M. on the 22nd; decreased to 29.750 by 9h. P.M. on the 22nd; decreased to 29.78 in. by 9h. A.M. on the 25th; increased to 29.85 in. by 9h. A.M. on the 25th; and was 29.78 in. at the The average temperature of the air is that derived from a discussion of the photographic records made at Greenvichd during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875, In reading the columns 9 and 25 it will be borne in mind that + indicates " higher," and the aggregate duration of bright sunshine on each day.
The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight. converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years enting 1873 for the barometer, and during the twenty years enting 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jettles of the Foreign Cattle Market at Deption, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show no The means of the thermometer, are and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced bulb thermometers by Glaisher's Hygro-8.8 9.2 1.2 0.0 0.9 0.9 27 the sea; Sum 0.75 in. 9.08 26 The height of the cistern of the barometer is 159 feet above the mean level of Average of 16 Years. Miles. Sum Observations are usually taken at 91. A.M.; noon; 31. P.M.; and 91. P.M. eye-readings of the barometer, the dry bulb thermometer, and the wet bulb Movement of the Air on each Torizontal Miles. 524 Day. Sum : 24 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. Mean of 24 hourly obs. 1.4 1.1 Pressure on the Square Foot. 0.0 0.0 0.0 .bs. : from the mean daily values of the dry and wet lbs. 1.2 Great-2.2 6.1 est. 21 SW. & SSW. WSW. & SW SSW. & SW. N. & SW. SW. & N. SSW. 20 P.M. General Direction. 8W SW. - "lower," than the average. SSW. & SW. SW. & SSW. SSW. & WSW SSW. &WSW SW. & SSW A.M. z metrical Tables. Of the Water of the Thames at Deptford. 0.8 50.3 9.87 48.4 4.6% 1.67 est. TEMPERATURE. 2.09 50.3 1.69 **7.67** 2.09 6.09 est. 0 on the 33.0 28.2 29.0 28.6 36.2 31.3 33.5 30.1 16 Of Radiation. in evening; fine Partially cloudy and fine in morning; frequent showers of rain and hail with thunder in afternoon; sloudless at night. and showery till evening; 6h, 20m. P.M; night fine. and occasional Partially High-est in Sun's Rays. 0.00 9.91 23.9 evening; gloomy 15 0 Degree of Hu-midity (Satu-ration equals morning. with 14 85 06 20 80 84 18 77 REMARKS till evening; overcast 0.0 0.0 1.0 ₹.0 Difference between the Air Temperature and Dew Point Temperature. Cloudy with occasional showers terwards. Windy in afternoon. 13 Overcast with steady rain in cloudy and fine afterwards. till. till 6.41 8.01 20.5 14.4 18.8 Great-Fine in morning; cloudy lightning and thunder at Windy in afternoon. Very fine till evening; est. rain GENERAL Cloudy and showery slightly foggy at night. Mean daily value. 9.5 4.6 8.5 8.7 frequent Of the Dew Point. Mean daily value. 41.8 13.2 8.17 0.2 39.2 2.0% 1.17 10 0 fterwards. Cloudy; De-parture from 9.0 9.0 8.8 4.3 6.0 6 + + п TEMPERATURE. Sun above Horizon, in hours. 9.4 2.4 Sum 100.5 4.8 0.97 6.79 Mean daily ralue. 14.2 14.5 14.5 14.3 14.4 74.4 Of the Air. Bange. 20.3 Daily 13.3 18.7 15.3 25.2 ~ ٥ Registered Sunshine, 8.18 E.01 1.3 1.8 55 1.2 1.7 87.0 40.4 37.0 2.47 39.1 38.8 LOW-9 est. 0 2.99 64.5 8.19 8.09 55.3 53.7 52.1 10 electrometer 0 was not in action throughout the week. (For explanation of symbols, see Note.) ELECTRICITY. rected and reduced to \$20 Fahren-664.67 29.210 29.822 in. 29.613 29.315 29.647 29.624 Greatest Dec. S. The In Last Qr. : 21 22 29 26 21 23 24 22 27 MONTH AND No. of Col. WEDNESDAY 1889. APRIL. DATE. THURSDAY SATURDAY DAY. MEANS TUESDAY THURS, MONDAY WED. SUNDAY FRIDAY MOM. TUES. SUN.

## OFFICIAL COPY.

# WEEKLY RETURN

#### DEATHS IN LONDON BIRTHS A N D

## TWENTY-SEVEN OTHER QREAT

Bn Authority of the Registrar General.

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No. 18. 1889. Vol. L.]

WEEK ENDING SATURDAY, MAY 4.

Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, 6th May, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19:4 per 1000 of their aggregate population, which is estimated at \*9,555,400 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending	-			Weeks ending
Towns.	Apr. 13.	Apr. 20.	Apr. 27.	May 4.	Towns.	2	Apr.   Apr.   Apr.   May 13.   20.   27.   4.
Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull -	22·6 30·1 21·8 17·8 20·1 17·1 18·1 14·8 19·3 22·5 15·6	19·4 28·0 21·8 20·4 12·0 18·7 23·1 17·5 16·7 21·9 18·3	18·7 23·2 20·0 18·4 12·4 18·0 17·6 15·4 22·5 24·2 21·6	19·8 16·3 32·3 28·7 18·4 22·3 18·0 19·4 18·5 25·7 21·4 19·6	Norwich - Nottingham Oldham - Plymouth - Portsmouth Preston - Salford* - Sheffield -	-	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Leeds - Leicester* -		13.9		25·3 13·2		-	$\begin{vmatrix} 22 & 9 & 17 & 1 & 14 & 0 \\ 13 & 9 & 17 & 1 & 25 & 9 & 15 & 2 \end{vmatrix}$

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.6 in Leeds, 1.8 in Oldham, 2.0 in Hull, 2.5 in Preston, 2.6 in Manchester, and 2.7 in Bolton; from scarlet fever, 1.0 in Sheffield; from whooping-cough, 1.4 in Cardiff, 1.5 in Portsmouth, 1.9 in Newcastle-upon-Tyne, 2.0 in Birkenhead, 2.2 in Oldham, 2.7 in Plymouth, and 3.0 in Preston; and from "fever," 1.0 in Preston. The 33 deaths from diphtheria in these towns included 21 in London, 3 in Manchester, 2 in Liverpool, 2 in Preston, and 2 in Bolton. Small-pox caused no death in any of the twenty-eight great towns.

In LONDON 2712 BIRTHS and 1386 DEATHS were registered. Allowing for increase of population, the births were 140, and the deaths 266, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17:1 and 17:5 in the two preceding weeks, declined last week to 16.6, and was lower than in any previous week of this year. During the first five weeks of the current quarter the death-rate averaged 17.6 per 1000, and was 3.4 below the mean rate in the corresponding periods of the ten years 1879-88.

The 1386 deaths included 68 from measles, 15 from searlet fever, 21 from diphtheria, 55 from whooping-cough, 5 from enteric fever, 2 from ill-defined

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

forms of continued fever, 12 from diarrhea and dysentery, and not one from smallpox, typhus, or cholera; thus, 178 deaths were referred to these diseases, being

61 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 19; no small-pox patient was under treatment at the end of the week in the Metropolitan Asylum Hospitals, or in the Highgate Small-pox Hospital. The deaths from measles, which had declined in the four preceding weeks from 74 to 65, were last week 68, and exceeded the corrected average by 4; 6 belonged to Westminster, 8 to Islington, 6 to Bethnal Green, 4 to Newington, 5 to Lambeth, 7 to Greenwich, and 4 to Plumstead sanitary areas. The fatal cases of scarlet fever, which had declined in the four preceding weeks from 15 to 9, rose again last week to 15, but were 15 below the corrected average; 2 belonged to Newington, 2 (at 57, Adam Street) to Rotherhithe, 3 to Lambeth, and 2 to Camberwell sanitary areas. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 617 scarlet fever patients, against 570 and 581 on the two preceding Saturdays; 70 cases were admitted to these hospitals during the week, against 50 and 53 in the two previous weeks. The deaths from diphtheria, which had been 22 and 29 in the two preceding weeks, declined again last week to 21, but exceeded the corrected average by 4; 3 belonged to Kensington, 3 to Poplar, 2 to Newington, and 2 to Camberwell sanitary areas. The fatal cases of whoopingcough were within one of the number in the previous week, and were 24 below the corrected average; 4 belonged to Pancras, 5 to Islington, 6 to Newington, 5 to Battersea, 4 to Camberwell, and 4 to Greenwich sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 10 and 18 in the two previous weeks, declined again last week to 12, and were 5 below the corrected average; 9 were of infants aged under one year.

The deaths referred to enteric fever, which had been 10, 6, and 3 in the three previous weeks, were last week 5, and were 6 below the corrected average; 2 belonged to Islington sanitary area. The death of a female, aged 16 years, in Hammersmith, was indefinitely referred to "febris;" and the death of a female, aged 19 years, in Shoreditch, to "morbus cordis, febricula." The Metropolitan Asylum Hospitals contained 18 cases of enteric fever, and 2 of typhus on Saturday last; 2 cases of enteric fever, and not one of typhus, were admitted during the

week.

The death of a male, aged 15 years, in Hackney, was referred to "malarial fever."

The deaths referred to diseases of the respiratory organs, which had been 294, 300, and 305 in the three preceding weeks, declined last week to 242, and were

115 below the corrected weekly average.

Different forms of violence caused 55 deaths; 46 were the result of negligence or accident, among which were 22 from fractures and contusions, 7 from burns and scalds, 5 from drowning, 1 of a painter from lead paralysis, and 9 of infants under one year of age from suffocation. The 22 deaths from fractures and contusions were thus caused:—6 by accidents from vehicles and horses in the street; 4 by fall from scaffold or ladder; 1 (intoxicated) by fall down stairs; 1 by fall from wall; 1 by fall from tree; 1 by fall into well; 1 by fall from perambulator; 1 by injury from fall of bag of maize; 1 by fall in street; 1 by bursting of pipe of steam-engine; and 1 by blow and 3 by fracture, the nature of which was not stated. An inquest was held in each of these 22 cases except 2 of the last 3. Seven cases of suicide were registered, corresponding with the corrected average.

GREATER LONDON.

In Greater London 3583 births and 1742 deaths were registered, corresponding to annual rates of 33·1 and 16·1 per 1000 of the estimated population. In the Outer Ring 30 deaths from measles and 5 from whooping-cough were registered. The fatal cases of measles included 8 in Acton and 5 in Edmonton sub-districts, and 10 in the district of West Ham.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.63 ins.; the lowest reading was 29.32 ins. on Tuesday afternoon, and the highest 29.83 ins. on Friday evening. The mean temperature of the air was 50°.8, and 2°.0 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Wednesday and Thursday, but showed an excess on each of the other days of the week, which on Saturday amounted to 10°.7. The general direction of the wind was S.E. Rain fell on three days of the week, to the aggregate amount of 0.79 of an inch. The duration of registered bright sunshine in the week was 39.8 hours, against 44.6 hours at Glynde Place, Lewes.

,	_		_	_						6161	,				, -			01	.9	9•											18
	CITIES	AND BOROUGHS.		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	BRISTOL. WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD,	BOLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURN.	FRESTON.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HUEL	NEW CASTIN	CARDIFF.		EDINBURGH.	GLASGOW. DUBLIN.
		Centi-	ul n	24.	1.34	10.2	92.0	1	1.22	1.88	8	1	0.41	1	100	70 1	,	ı	1	I.	1 4	i	94.0	8	,	09.1	424	1 1		1.70	0.76
RAIMBALL	N. T.	Inches.	uΙ	23.	0.49	64.0	0.30	1		0.24	1	1	91.0	1	- 00.00		,	1	1	1	1 1	1	08.0	1		********	0.49	1 1			0.80
AIR.	lu.	-obargit	Cent	22.	9.11	_	68.0	1		88.4	1	1	68.8	1	1770	_	1	1	1	1	1 1		8.83	1			0   21.2	1 1	-		8.01
OF THE	Mean	.tiedner	Fab	21.	48.4	20.8	21.6	1 1		1.94	1	1	8.0 8	1	10.00		1	1		1	8 1		8 6.4	ı			6.84	1 1			50.6 10 48.1 8
TEMPERATURE OF THE AIR.	-	Lowest	heit.	20.	32.9	1.88	42.5			32.9 4 82.9		1	35.3 4	1	- 000		1	,	,	1	1 1		40.5	1		_	87.0	1 1	-		36.0 4
EMPER	.3	eedgiH	Fahrenheit	19.	73.4 3		₹ 9.04			67.8	-	1	62.1 3		- 0.00					_			58.3 40								66.4 37
	a satha			18. 1	2.3	2.1	0.0	1.1	3.3 61		9.1	7.1		1.1	3.3	_	4	2.2	8.8	0.8	0.6	. S. H	0.0	1.9	_	-	1.2 58.0	6.E	_	-	7.2 66
Annual Rate per 1000,	to the	.sasusC		17. 1	4		)   8.78			15.2	16.3				8.61.6		4														26.2
A 6	.uzs	ontitreerU of to sesu	CBI	16.	.61 2		16	21	- 30	91	-	13	2	_	_		88			82.3	0.62 0.1%		18.4		-	-		19.4	-		
	-	monananam	-	16. 1	29 009	315 11	30 00	10	49 0	9 1	25		-	9 0	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		30	91	00	00 (	7 0		12	11 2		20	-	ය 1 අ 1		24 16	42 31 69 15
		onest Case and sether in Public	u1	14.	223 60	20.	LG 65	-	70 C		00	တ	10	00	1 00	, ,		- - -	. 9	41	1 -	1 03	4			্য	4	9 00	-		0. 1
ıde		ојевес	IA.	13.	2 201	-	م م	1	63 6	1 1	63	-		99	1 00	1	-	1	67	೦೦	1 -		1		ص ص	-	<b>₹</b>	27 -	-	-03	41
sk incl		.amdira	DI	12.	8	12	1 1	1	1	1	1	-	;-i	,-1 ·	н «	) I	4	67	1	03	1 -	4 8	1	-	1	1	1 1	- 1	=	67	» н
The DEATHS registered in the Week include		Acr.	Eo	Ħ	33	2	1 1	1,	1 -	- 1	63	*	Ċ3	1 -	1 00	1	-	က	÷	1 0	7 7	1 1	1	3	63	-	1	27 1	-	1	67 19
ni ber	from	hooping-	I.A.	10.	125	200	1 4	H	41 -	- 1	Ļ	PH .	10	1 -	₹ 14	2 67	9	ı	9	67 (	9 1	1	ಿ	-	41		i	φ es	9	67	38
egister	Deaths from	phtheria.	DI	9.	88	21	1 -	1	ş	1 1	1	1	1	1	1 0	4 63	ෙ	-	1	2	63	1 1	1	1	H	1	1	1 1		00	H 1
ATES 1	-	arlet. Fever.	I Pos	00	40	15	1 1	ı	1 1	1	pel	1	\$		1 00	1	63	4	بر	à	1 1	ı	1	1	9	1	ଣ	3 3		1	1 -4
he DE		easles.	M	2	167	.68	21	-		7	4	67	<b>့</b>	1	1 0	9	19	61	70	ဓာ	10 c	1-61	П	11	4	00	1	1 -	4	,1	26 %
F		.xoq-lisa	πs	9	1	1	1 1	1	1	1	1	1	1	1	1	1 1	1	1	1	1	1	1 1	1	1	1	1	F	1 1		1	1 1
	seaths of	rsons aged 0 Years 1 upwards.	Per 8 and	0.0	755	310	17	101	16	44	37	10	21	22	77	1	42	13	14	13	တာဇ	° 11	18	35	27	12	10	11		20	58
	Dea	ants under Year of Age.	gul	4.	824	309	13	2 2	60 0	7.7	41	15	27	10	1 2	14	50	19	19	18	24	4 0	20	33	40	16	=======================================	ရှ ဇ	0	11	22 83
during	Suding	EATHS.		90	3559	1386	52	88	45	24	142	38	94		ರಣ ಚಿತ್ರ ಚಿತ್ರ	63 63	206	86	80	20.	50	9 94	88	173	140	28	10	7.2	37	90	290
Registered during	the Week ending	BIRTHS, DEATHS.		où l	6302	2712	101	25	65	89	343	100	138	63	65	63	285	148	98 -	00 0	38.	19	191	223	208	145	110	155	-	177	460
R	POPULATION th			1.	9,555,406 6	-	121,807	94,510	78,225	82,544	454,835	150,520	237,812	98,529	102,541	114,670	878,800	284,283	142,405	121,275	104,184	81,080	235,056	357,449	827,227	208,017	184,193	112,712		266,900	528,144 353,082
	CTTTICS	BORUUGHS.		Cols.	28 TOWNS .	LORDON .	Визентой -	PORTSMOUTH .	PLYMOUTH .	WOLVERAMPTON	RIEMINGHAM .	LRICESTER .	NOTTINGHAM .	DERBY	BIRKENHEAD	LIVERPOOL .	MANCHESTER	SALFORD* .	OLDHAM .	BLACKBURN	PRESTON .		BRADFORD*	LEEDS	SHEFFIELD .	HOLL .	SUNDERLAND .	CARDIER*		EDINBURGH -	GLASSOW
1_					1	1,0	BE	ž ž	PI	E M	RI	LI	Z	D	Bi	7 2	Z	<b>V2</b>	0	B	7	田田	B	7	2	<b>T</b>	2 2	40		E	8 5

TABLE 2. LONDON .- Births and Deaths Registered in the Eighteenth Week of each of the Eleven Years, 1879-89.

-	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females .	2607	2823	2515	2740	2545	2541	2429	2706	2597	2650	2851·9	2712
	1362	1437	1304	1406	1283	1331	1235	1374	1276	1328	1454·8	1393
	1245	1386	1211	1334	1262	1210	1194	1332	1321	1322	1597·6	1319
Total Deaths  Males Females .	1648	1416	1472	1495	1504	1697	1465	1491	1531	1429	1651·8	1386
	811	755	764	768	792	876	778	803	824	719	860·3	729
	837	661	708	727	712	821	687	688	707	710	791·5	657

The numbers in this column are the average weekly numbers in the eighteenth weeks of the ten years 1879-88, raised by 9'046 per cent. for increase of population.

LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

Til milester	1	Feb.												
minates	_	9.	Feb. 16.	Feb. 23.	Mar.	Mar. 9.	Mar. 16.	Mar. 23.	Mar. 30.	Apr. 6.	Apr. 13.	Apr. 20.	Apr. 27.	May 4.
TOTAL Births	5	2772	2511	2695	2609	2698	2699	2670	2808	2676	2509	2488	2522	2712
Total Deaths		1460	1516	1567	1472	1637	1638	1554	1476	1572	1493	1426	1462	1386
Ages at Death   0-20 \\ 20-40 \\ 40-60 \\ 60-80 \\ at 80 yes	years , , , , , , , , , , , , , , , , , , ,	650 181 243 313 73	655 182 279 322 78	666 202 278 337 84	681 153 254 314 70	695 175 309 391 67	719 188 298 357 76	666 165 274 366 83	642 200 274 287 73	729 175 2.7 305 76	671 183 266 310 63	670 174 214 299 69	708 171 256 264 63	626 184 266 258 52
Under 1 1-5 5-20	year -	324 233 93	326 247 82	344 238 84	349 257 75	322 277 96	362 249 108	317 276 73	316 242 84	368 261 100	322 251 .98	299 279 92	361 273 74	309 246 71
"" "" "" "" "" "" "" "" "" "" "" "" ""	et fever - theria - oping-cough us - ic fever - deContafever rhœa and sentery -	56 12 24 33 5 - 18 - 148 340	43 16 24 31 - 13 - 10 1 138 376	70 14 27 31 1 8 - 16 - 167	-67 12 25 31 1 6 - 18 -	76 16 20 29 - 4 3 15 - 163 402	60 16 31 37 6 - 14 2 166 396	84 6 23 42 4 - 18 - 177 878	56 11 18 51 - 8 - 9 - 153	74 15 26 49 - 17 - 190 364	72 13 36 43 1 10 1 11 - 187 294	70 10 22 51 - 6 - 10 - 169 300	-65 9 29 56 -3 1 18 -	-68 15 21 555 2 12 - 178 242
" t	of Circula- ory System	140	158	156	127	161	162 157 68	139	153	110	152	98	164	143
Violent Deaths Inquest Cases Deaths in Public		91 314	98 375	65 114 353	57 118 353	52 114 395	127 378	53 111 365	52 125 354	69 130 340	130 325	57 111 315	69 116 331	55 107 315
TEMPERATURE OF Mean Mean of Highes Mean of Lowes	st readings -	35.6 41.9 30.2	34·3 40·9 27·1	41·4 47·3 36·2	32·8 37·7 29·8	37·4 46·3 28·9	38·8 46·8 31·2	42·5 50·3 35·7	45·6 54·6 38·6	43.5 51.8 37.4	43·5 50·4 38·6	6.5 55.3 39.8	47.5 57.8 39.1	50·8 61·9 41·5
Humidity of the A Rain-fall in inche Registered Sunshi	s	81 0·80 7·4	84 1·19 8·7	81 0·05 14·9	83 0·13 7·6	75 0·54 26·0				78 0·27 21·3	90 0·56 8·6	84 0·10 12·5	80 0·75 31·3	79 0·79 39·8

## METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R. S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., L.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Smpson. Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool: H.O. Pilkington, Esq., M.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

Table 4. LONDON.—Deaths Registered at several groups of Ages from different Causes in the Eighteenth Week of the Year 1889.

					LIG	HTE	ENT	гн	w ee	k of the Year 1889.									
	for the		Sati	urda	7, 4t	ek er h Ma	y 188	39.			for the		Sat	n the	We 7,4th	ek e	ndina y 188	9.	
	rages f		D	eaths	he A	Perso	ns of	t 			ges fc		D	eaths t	of P		ns of		
CAUSES OF DEATH.	Av 0 8 0 1879	.8	J	Jude 20.	r	under 40.	under 60.	under 80.	and 3.	CAUSES OF DEATH.	Averages fi eks of the 10 y 1879-83.*		1	Jnde: 20.	r	er 40.	er 60.	er 80°	Bud
	Jorrected 18th Wee	L AGES.	1	.6.	5-20.	and un	40 and un	and un	o Years a		Corrected 18th Wee	L AGES.	I.	5.	20,0	and under	and under	and under	) Years upwards
	Corr 18t)	ALL	0-1	1-6.	5	28	1 0 4	1 99	80		Col	ALL	0-1.	1-6.	0	20 8	40 g	40.8	80
ALL CAUSES	1651.8	1386	309	246	71	184	266	258	52	Diseases of Organs of Special Sense †}	1.7	1	-	1	-	-	-	-	-
Small- Vaccinated; - Unvaccinated	319.3	-	-	-	-	-	-	-	-	Diseases of Circulatory	116.2	154	5	1	10	24	46	62	6
No Statement	63.7	68	19	18	-	-	-	-					-					-	-
Measles	29.6	15	2	10	3	.1				Croup	12.3	2	-	2	-	-	-	-	-
Typhus	1.7	-	-	10	0			-		Bronchitis	196·2 104·4	125 82	34 18	31 24	2	3 8	17 18	31 14	7
Relapsing Fever 7	0.0		~	_	-			_		Pleurisy	6.3	6	-	1	-	8	-	2	-
Influenza	0.1			-	-	7_				Other Diseases of Respi- ratory System}	87.7	27	6	7	4	1	6.	8	-
Whooping-cough	78.5	55	21	32	2	-	_												
Diphtheria	16.6	21	2	11	7	1	-	H	-	Dentition †	15.2	8	3	5 2	-	-	-	-	-
Simple Continued and )	1.9	2	-	-	2	_		_		Quinsy, Sore Throat † -	6.1	3 5	-	1	1	1	2	-	
Ill-defined Fever - 5	11.1	5		_	2	0				Peritonitis Diseases of Liver	29.1	6 25	1		î	8	12	1 8	-
Enteric Fever	0.8	ı.			2	8				Other Diseases of Digestive System -	27.9	35	9	2	2	4	11	7	
Diarrhœa, Dysentery -	16.6	12	9	3						Digestive System -)									
Remittent Fevert	0.3		-	- 1		_	_			Diseases of Lymphatic)									
Hydrophobia	0.0		-	-	-		-			System & of Duetless	2.4	1		-	-	1	-	-	-
Glanders	0.0		-	-	-		-		-	Glands †)									
Cowpox and Effects of )	0.3		_	_	_		_			Diseases of Urinary	00.0	00					30	10	
Vaccination † S	12.2	7	4							System}	88.7	39		2	3	6	13	18	2
Venereal Affections - Erysipelas	6.8	5	3.	-	_	1	1	2					-		-	-	-	-	
Pyæmia and Septicæmia †	4.8	2	-			1	1	1		Diseases of Generative	6.2	4	_	-	_	2	2	1	_
Puerperal Fever	6.3	8	-		_	8	-	-		Accidents of Childbirth	4.1	6	-	-	-	6	-	-	_
Other Zymotic Diseases †	2.8	2	-	1	1	-	to .								-		_	-	
							-			Diseases of Locomotive)	· 8°8	3	_	1	1	_	-	1	-
Thrush	1.6	4	4	-	4	-	-	-	-	System + 5					_				
Worms and other Para-}	0.7	1	-	-	-1	-	1			Diseases of Integumen-	4.0	,							
BINCAL D100/4305 = -)				-						tary System}	4'8	5	2		-		2		1
Starvation, Want of	1'4	4	8	ļ															
Breast-milk †}	}			-	-	1	-	_		VIOLENT DEATHS.\$				Î					
Alcoholism	4.9	8	_	-	-	2	6	F											
Phonesia Ti			1							ACCIDENT.) Fracture and Contusion	21.8	22	_	2	2	6	9	2	1
Rheumatic Fever, Rheumatism of Heart†	. 5.0	4	-	-	2	-	2	-	-	Gunshot Wound	0.1	-	-	-	-	-	-	-	-
Rheumatism †	8.7	3	-	-	-	-	1	2	-	Cut, Stab Burn and Scald	0.2 4.8	7		4	1	1	1	1	-
Gout	8.3	3	-	-	-	-	2	1	-	Poison Drowning	2·1 6·1	5		-	-	3	1	1	-
Rickets †	2.9	8	3	5	-	-	-	-	~	Suffocation	13.6	9	9	-	-		-	-	-
Cancer	52.9	55	-	-	-	5	34	14	2	Otherwise	2.6	1		_	-		_		
Tabes Mesenterica -	23.2	23	13	[6]	2	2	-	-	-										
Tubercular Meningitis -	33°5	20	5	12	3	-	-	71	-	(HOMICIDE.)	1.2	2	2						
Scrofula, Tuberculosis -	19'4	143	3	6	9	67	47	11		Murder & Manslaughter	1.2		-			-			
Other Constitutional			i	0	1	2	_	~											
Diseases †}	11.1	9	-	-	-	3	3	2	1	(SUICIDE.)	0.3								
P						-		_		Gunshot Wound Cut, Stab	1'4	-	-	-	-	-	-	-	-
Premature Birth	84.8	48	46	-	-	-	-	-	-	Poison Drowning	1·2 1·3 2·4 0·7	3	-	-	1	1	1	-	-
Atelectasis +	2.4	2	2	-	-	-	-	-	-	Hanging	2.4	2	H	-	-	1	1	1	-
Congenital Malforma-}	8.4	9	8	1	-	-	-	-	-	Otherwise	0.7	1		-	~		1		
Old Age	51.0	37	-	-	-	-	-	19	18										
						-				(EXECUTION.)									
Apoplexy	45.9	37	-	1	- }	-	7	22	7	Hanging	0.0		-	-	-	-	-	-	-
Epilepsy	8.3	3	-	-	- {	-	2	1	-										
Convulsions	45'8	87	80	6	1	- !	-	-		OTHER CAUSES †	54°6	32	25	2	-	-	2	3	-
Other Diseases of Brain } and Nervous System }	81.8	91	13	13	4	5	11	38	7										
													10070						

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9.048 per cent, for increase of population.

As the ten years average could not be correctly ascertained, the average for the seven years 1832-3 has been used.

Those eases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the deceased has, or has not, been vaccinated, when the cause of death is not certified by a registered titioner, the case is returned under the heating "no statement."

The evidence at inquests is often insufficient to enable (the Coroner to certify whether a violent death be the result of accident, murder, islaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON.—Population; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCIENCE during the Week ending

															the	17 66	- CH	AT U.S
- 7							The	DEA	THE		-		Wee	kine	lude			4
	Enume-			Deat	hs of						hs fro						lie	101
REGISTRATION	rated Fopu-	нз.	THF.	ler 1	d e0			5 c.		Whooping-cough		Enterio (or Typhoid) Fever	Fever.				Public ons.	Causon
SUB-DISTRICTS.	lation, 1881.	Вівтня	DEATH	under of Age.	s aged	pox.	w w	Fever.	eris	-801		o (o jid) I	d Fe	1004.	.991	st Cases	s in	iffed sath.
	200-1	Total	Total	Infants Year	Persons Years	Small-pox.	Measles	Scarlet	Diphtheria	hoop	Typhus.	ypho	Simple	Diarrhoa	Violenee.	Inquest	Deaths in Institution	Uncertified of Death.
THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER. THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.		H	-	In	Pe	-S2	M	- S	a	3	H	No.	02	9	-	=	a_	2
LONDON ·	3,815,704	2712	1386	309	310	-	68	15	21	55	-	5	2	12	55	107	315	11
West Districts	669,688	428 601	265 804	49 64	50 79	-	12 16	1	5	9	-	3	1 -	3 2	9	19	78 61	2
CENTRAL DISTRICTS	905,947 282,288	170	94	16	18	-	2	1	-	4	-	-	-	2 2	16	8 28	28 66	2
EAST DISTRICTS -	692,788 1,265,148	566 947	237 486	55 125	49 114	-	8 80	1 12	8	2 25	-	2	1 -	3	13	31	84	7
METROPOLITAN ASYLUM F.OS-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST DISTRICTS.														1	1	2		
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 37330	59 13	25 14	6	2 4	Ξ	-	-	1 -	-	-	-	-	-	2 2	1	8 7	-
Kensington Town Ww - W.M. & C.	120141 43010	68 11	49 12	10	17	-	-	-	2 -	1 -	-	-	-	-	-	5	13	-
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J. Fulham Www - W.M. & C	7899 64340 42900	6 43	21 36	1 4 7	1 6 7	=	-	-	2	ī	-	=	ī	1	1	1 5	2 7	-
Obeles Couth HHH C.	0896 24925	74 22 17	10 15	1 3	1	-	ī.	-	-	ī	-	-	-	ī	=	1	4 11	-
Chelsea North-east C.	82807 80853	21	10 8	4	1 1 4	-	1 -	-	-	2	-	-	-	_	1	1	3	-
Belgrave WHRH C.	59220 35496	40 21	22 13	3 2	2 -	-	3	-	=	1	-	-	-		1 -	1	12 1 5	0 0
St. Margaret Westminster H - C. St. James Westminster WHH N.R. &G.J.	24679 29941	10	10	1	3	-	3	-	-	1	-	-	-		-	-	2 2	I
St. Anne Soho HHHHHHHH - NR. NORTH DISTRICTS.	16608	7	6	2	-		-		-		-	-	-				4	Ť
ALCO A MOUNTAIN THE MAN AND MAN AND MAN AND MAN AND MAN AND MAN AND AND AND AND AND AND AND AND AND A	26759 14891	11 2	8	1 - 2	1 2	-	1	-	-	1 -	-	-	-	1	-	-	4 - 2	-
All Souls Marylcoone Hills - W.M. Cavendish Square HHHH - J W.M. Rectory Marylcbone WH G.J. & W.M. St. Mary Marylcb . HHH G.J. & W.M. Christoluroh Marylcbone HH - V.M. Christoluroh Marylcbone HH - W.M.	24809 21118 33700	24 14	4 4 5	1 2	1 - 2		1	=	-	1	-	1 -	-	-	-	-	-	-
8t. John Marylebone H W.M. Hampstead WwwHHHH N.R. & W.M	33638 45452	18 25	5	3	2	-	-	-	-	1 -	-	-	-		1	1	2	-
Regent's Park Paneras H W.M. Tottenham sourt wHHHH N.R.&W.M.	89115 27729	20 20	7 18	1 3	2 3	-	- 2	-	-	1	-	-	-	-	2 -	2	7	-
Gray's Inn Lane HHH - N.R. Somers Town H N.R.	80247 84369	17	5 9 11	2	1 4	=	ī	-	1 -	-	-	-	-	-	-	-	3 -	
Kentish Town W N.R.	17811 87487	20 55	30	12 7	10 13	-	-	1	-	3	-	-	-	-	3 2	4	7 4 21	-
Islington South-west HH N.R.	67946 100976 61895	49 82 41	32 24	10	6 3	-	3 4	=	-	1 1 2	-	1	=		3	8 6 2	1	-
Highbury $H$ N.R. Stoke Newington $H$ N.R.	52048 22781	34 17	7	1	1		1	-	-	1 -	-	-	-	1	1 -	2	1 -	-
Stamford Hill E.L. West Hackney H N.R.	9277 87610 76911	16 25 55	6 11 29	1 4	3 2 9	-	-	-	- 10		-	-	-	-	-	=	- 9	-
South Hackney E.L.	39888	29	11	2	3	-	1	-	3	1	-	-	-	-	-	1 -	-	-
CENTRAL DISTRICTS.  St. George Bloomsbury - N.R.  St. Giles South WH N.R.	16681 14864	6 38	5 3	1	1 2	-	-	-	-	-	-	-	-	1	-	-	-	-
St. Giles North N.K.	13837	7 8	9	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1.1
St. Mary-le-Strand $H$ N.R. St. Clement Danes $H$ N.R.	7515	3	1 6	=	1 2	-	=	-	=	1 -	-	-	-	-	1 - 1	1 - 1	6 - 4	1.1.1
Strand Union Workhouse, Edmonton w. St. Geothe-Martyr HHHHHHH N.R.	18671	8	1 4	-	1	-	-	-	-	1	-	-	-	-	=	-	1 2	-
St. Andrew Eastern $W$ N.R. Saftron Hill $H$ N.R. St. James Clerkenweil N.R.	10706 6583 17516	8	2 2 7	3	1	-	1	-	-	-	-	-	-	-	-	1	-	- 4
Amwell Clerkenwell N.R. N.R.	19281 14773	13	8 4	1 2 2	11	-	ĩ	=	-	1 -	-	-	-	-	-	1 -	-	-
Goswell-street N.R. Old-street H N.R. City-road HHL N.R.	17506 11541 18628	11 8 22	8 7 6	4 -	1	=	-	- 1	-	1	-	-		1	-	1	-	-
Whiteeross-street - N.R. Finsbury Holborn Union Workhouse, Mitcham, w.	9217 7468	3 4	1	-	-	=	-	-	-	=	-	=	-		=	-	2	1.8.4
St. Rotolph H = = - N.E.&E.L.	11174	4 1	4	1	2	-	-	-	-	-	-	-	-		1	1	-	the short
Cripplegate N.R. St. Sepulchre H N.B. St. Bride W N.B. Allhallows Barking - N.R.	7193 5858 8896	8	11 3	i	1	1	=	-	-	-	-	-	-	-	ī	ĩ	10	A. P.
Allhallows Barking N.R. Broad Street H N.R.	18666 5652	1	1 1	-	1	-	=	-	-	1 0	-	=	-	-	-	=	-	1-1.1
	1								1		3	1	1		3	2		

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse E-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving immates from other Districts than that in which it stands too note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. significs Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East London; and K. the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sue-district

							The	DEAT	гна те	gister	red in	the	Week	inch	ıde			
	Enume-			Deat	hs of				D	eaths	from	1					9	-
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHE.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or Typhoid) Fever	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes of Posts.
Fast Districts.    N.R. & E.L.	7376 14967 29937 28036 46275	4 14 29 16 33	1 4 7 8 10	- 233	- - 4 - 1	11111	11111	1111	-		11111	1 1 1 4		11111	2 1 1 1 60	1 - 3	1 4 - 2	1
isekney-road H E.L. ireen, Bethnal Green WHL* - E.L. hurch, Bethnal Green - E.L. bwn, Bethnal Green - E.L.	29788 47982 29981 19810	25 36 29 14	8 25 18 3	2 2 6 2	18 1	1111	1 4 -	1		-		1 4 1 1	1111	2 -	1 1 1	1 3 1	15	
pitalfields - E.L. & N.R. file End New Town # Vhitechapel Church # E.L. & N.R. coodman's Fields - E.L. N.R. & E.L.	22585 15478 17490 9718 6102	17 25 13 8 11	2 9 22 - 3	3 1 - 2	1 1 -		- - 1		1		11111	1111	1111	11111	8 -	5 -	6 15	11111
it. George's, North - E.L. it. John, St. George East W - E.L.	887 <b>47</b> 8410	86 7	10	5 -	-	-	-	-	-	-	-	-	-	-	2 -	2 -	ī	1 -
Nadwell HH - E.L. N.R. Rateliff - E.L. Einehouse - E.L.	10895 16107 32041	12 11 18	5 4 10	1 1 8	1 1 2	-	1	17.			-	-				-	8	-
Mile End Old Town West - E.L. Mile End Old Town East WwwH- E.L.		37 47	6 19	2 6	2 9	-	-	-	-		-	-	-	-	÷	1	4	-
Bromley $wwH$ E.L. Poplar $WWH$ E.L.		84 56 89	8 34 20	3 5 8	2 8 1	-	111		- 2	1 53 1				-	1	6 8	11 2	
SOUTH DISTRICTS.   Christchurch Southwark   WH   L. & S. S. Savious Southwark   WH   L. & S. S. L. Section   S. & L. S. S. L. S. Peter Walworth   W   S. & L. S. L. Mary Newington   L. & S. & L. S. Mary Newington   L. & S. & L. & S.   Mary Newington   L. & S. & L. & S.   Mary Newington   L. & S. & L. & S.   Mary Newington   L. & S. & L. & S.   Mary Newington   L. & S. & L. & S.   Mary Newington   L. & S. & L. & S.   Mary Newington   L. & S. & L. & S.   Mary Newington   L. & S. & L. & S.   Mary Newington   L. & S. & L. & S.   Mary Newington   L. & S. & L. & S.   Mary Newington   L. & S. & L. & S.   Mary Newington   L. & S. & L. & S.   Mary Newington   L. & S. & L. & S.   Mary Newington   L. & S. & L. & S.   Mary Newington   L. & S. & L. & S.   Mary Newington   L. & S. & L. & S. & L. & S.   Mary Newington   L. & S. & L. & S. & L. & S.   Mary Newington   L. & S. & L. & S. & L. & S. & L. & S.   Mary Newington   L. & S. & S	21381 15953 21318 26672	7 11 15 15 18 27 48 11	4 8 7 5 5 12 25 13	2 1 2 1 1 3 8 3	1 1 1 1 4 8 1		1 2 1		2	2 1 8		1111111	111111	1111111111	1	1 - 2 1 1 2	2 - 2 - 6	1
St. Olave WH S. & L.  Leather Market S. & L.  St. Mary Magdalen W - S.  St. James Bermondaey - S.  Rotherhithe WH S. & K.	11956 16800 15669 54682 36024	3 13 17 48 21	8 7 6 15 14	1 4 - 4 1	8 2 4	11111	1	3	1111	- 1	11,111	-		-	1111	1	3 2	
Waterloo-road 1st H - L. & S. Waterloo-road 2nd H - L. & S. Lambeth Church 1st H - L. & S. Lambeth Church 2nd WW - L. & S. Kennington 1st - S. & L. Kennington 2nd - S. & L. Brixton 1st - L. & S. Kurch 1st - L. & S. Kurch 1st - L. & S. Kurch 1st - L. & S. Kurch 1st - L. & S. Kurch 1st - L. & S. Kurch 1st - L. & S. Kurch 1st - L. & S. Kurch 1st - L. & S. Kurch 1st - L. & S. Kurch 1st - L.	15195 16351 19876 39859 45232 35882	10 12 18 32 30 20 27 9	15 25 18 8 17 1	2 2 1 4 3 3 1	1 2 10 8 2 8 -		1 1 -	1,11111	2 - 1	1111	1111111	1	111111		2 - 1 - 1	2 - 2 - 1	13 14	1
East Battersea	54675 52587 86380 28004 18235 25558	48 62 32 26 6 16	13 38 7 20 2 7	10 4 7 -	10 1 1 2 4		1 1	1	11111	5	11111			1 1 -	1 2 -	5 3 -	1 5	1
Dulwich L. $\&$ S. 2 L. Peckham $W$	71089	38 53 43	35 12 28	5 2 11	12 5 5	-	2 1 -	1 -	- 2	2 - 2	-		111		1	9 2 -	14	1
st. Paul Deptford www K. St. Nicholas Deptford K. Greenwich West H K. Greenwich East WHH K.	76752 7901 21972 24608	58 6 12 26	27 3 13 19	8 1 4 4.	3 - 4 -		3 - - 5	6 -		1 - 3		-	1111		1 1	1 2 1	8	1 -
Eltham $H$ $K$ . Lee $H$ $K$ . Lewisbam $WH$ $K$ . Sydenbam $H$ $K$ .	5048 21559 19865 26076	2 13 18 10	2 10 6	1 3 1	- 2 2		2 -	1	1111	1111		1111			1111	ī	ī	1111
Charlton $H$ $K$ . Woolwich Dockyard $K$ . Woolwich Arsenal $HH$ $K$ . Plumstead, West $H$ $K$ . Plumstend, East $W$ - $K$ .	10980 17617 - 19048 14009 19241	8 4 19 14 21	2 5 5 8 8	1 1 4 2 4	1 -	- 1 - 1 - 1	2 2	11,111	1	1	11111	11111	1 1 1 1	11111	1	1 -	1111	1
Metropolitan Asylum Hospitals: Dartford w	= =	=	-		-	-			111	-	- 1 1	-			=	-	acea i	=

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the bove Table by w:-

we Table by w:
Marylebone Infirmary in Kensington Town sub-district.

Central London Sick Asylum, in Tottennam Court-road sub-district.

Holborn infirmary in Upper Holloway sub-district.

" Hackney sub-district.

" Hoxton New Town sub-district.

" Mile End Old Town Eastern sub-district.

" Mile End Old Town Eastern sub-district.

" Aud Bromley sub-district.

" Private Lunatic Asylums in which paupers are received.

Stepney Workhouse in Bromley sub-district.

Popiar a Scepney Siek Asyjum

Westmanser Undustrial School in West Battersea sub-district.

Strand and Holm Workhouses outside Registration London.

St. Saviour's Informary in Camberwell sub-district.

Retropouted asyjum-bustrict Hospitals in Fuliam, Hampstead, Hackney, Brition, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and Wost Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

				W	eek er	ding				May,								1
Regis-	-	Area							The l	DEATH	s regis	tered !	in the	Week	includ	В		
tration District		Acres,	Enume		1.	Des	ths of				Deatl	is from	n			1		1
and	REGISTRATION	inclu- ding	rated	HS.	DEATHS.	7	66 ds.		1	1		1gb.	1	1	1		Public ons.	Causes
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS.	EA1	under of Age.	aged k upw	1 .		Fever.	1 3	100	1	1.		ases	Pu 100s	D .:
Num-		and	1881.	B	A	ts u	ns a	-pox	108.	ot Fe	heri	ping		hosa	nce.	ost C	ns in	rtitle
bers.		Fore-				Infants	Persons Years	Small-pox.	Measles.	Scarlet	Diphtheria	Whooping-cough	Fever.	Diarrhosa	Violence.	Inquest Cases.	Deaths i	Uncertified of Deaces.
LO:	NDON-OUTER RING	370,924	950,957	871	356	76	95	-	30	2	3	5	1	2	12	20	48	5
				-	1	-			-		-	-		-			-	-
30:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	11 8	9 3	-	1	-	1	-	-	-	-	-	-		7 2	A. A.
37:1	Godstone (part of) * -	2754	1235	1.	-	-		-	-	-	-	-	-	-	-	-	-	-
38:1	Croydon WwHHL -	20851	101241	70	40	7-	9	-		-	_, .	1	-	-	-	-	7	-
39:1	Mitcham to †	11697	17982	20	1	- 1	1			-	-	-	-	-		-		-
2	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	10 26	17	2 2	8	-	9	-	1	-	-	-	1	8	9	-
8	Esher (part of) * -	6801	9221	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-
40.2	Hampton H	4573	13539	12	4	-	1	-	-	-		-	-	-	-	-	-	-
40:1	Richmond WH Mortlake	2272 2941	21802 12331	16	5	1 4	3 2	-	-	-		-			1	1		
47:1	Bromley (pt. of) * HH	15669	81142	26	15	8	8	_				1			2	2	-	
2	Chishrst(pt.of)* WHH	14307	15844	22	10	4	1	-	-	100	-	-	-	-	-	-	1	~
42;1	Bexiev H	18487	24184	19	7	2	1		8	-	-	-		-	-	-	-	-
124:1	Dartford (Ww, pts. of)* Sunbury w	11055	11685	6		-	-	-	-		-		-	-	-	-	-	
2	Staines W	18277	12089	10	8 5	-	2	-	_		-	-	-	_	-	-	3	
125:1	Hillingdon WHH -	6029	10802	7	4	-	1	-	-	-	-	-	-	-	-	1	_	-
3	Uxbridge Hayes wHL	6178 14587	3225 11528	2	1	-	1	- 1	-	-	-		-	-	-	-	-	-
126:1	Isleworth WHH -	7008	22727	6 15	4	2	1		-	-	-	-	-	-	-	-	-	-
2	Twickenham H	2477	12479	9	5	1	1	-	1	-	-	_	-	1 _	1	1	-	-
8	Brentford HL Chiswick	4845 1340	27649 15975	14	9	8	8	-	-	-	-	1	-	-	- 1	-	-	-
8	Acton wH	6088	22876	13 23	20	3 7	8	-	8	-	-	1	-		1	1		
127:1	Harrow H	13809	12798	8	δ	-	1	-	-	-	-	-	-	-	-	- 1	-	-
3	Edgware H Willesden	6994 4383	3749 27453	1 28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Hendon W	8382	10484	10	6 7	8	1 1	-	-	-	-	-	-					1
137:1	Bushey	9331	6621	5	1		-	-	-	-	-	-	-	-	_	1		1
128:1	Watford (W, pt. of)* -	-		-	-	-	-	-	-	-	-	-	- 1	-	-	-	-	-
2	South Mimms Barnet	15599 5483	6391 10092	2 2	2 2		1		-	-	-	-	-	~	1	1	-	-
8	Finchley HL	4688	17615	15	11	1	8	-	-	_	-	-	-	-	-	-	9	
185:1	Hatfield (part of) * -	3806	583	1	-	-	-	-	-	-	-	-	-	-	-	-		.
129:1	Hornsey H Tottenham H	3039 4642	37078	31	8	1	2	-	-	-	-		-	-	-	-	-	-
8	Edmonton Ww ‡ -	7483	46456 23463	65 23	21 15	6	7		-	-	-	-	-	-	1	2	-	1
4 5	Enfield WH Waltham Abbey	12653	19104	20	3	-	1	-	5	-	_		-	1 -	1	2	1	
8	Cheshunt	11017 8480	5368 7785	6	1	-	1	-	-	-	-	-	-	-	-	-	-	-
186:1	Stratford	882	38606	88	16	1 4	1		4				-	-	-	-	-	-
3	West Ham wwwwH\$- Leyton WwL		101053	133	35	9	9	-	2	1	-	-	1	-	1	1	-	1
4	Walthamstow H -	4372 6520	32430 28869	45 89	20	2 5	10 2	-	1	-	1	-		-	-	-	8	2
	Chigwell (part of) * H	11761	9669	7	3	1	2		8	1	1	1	-	-	-	-	-	-
	Epping (W, pt. of)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Romford (part of) * W	6730 8493	3411 7645	9	1	-	1	-	-	-	-	-	-		-	-	-	-
	Barking Town	4127	9203	11	3	-	1	-	-	-	-	-	-	-	-	-	-	~
				- 19			- 1					-	-	-			700	-

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as follow:—30:2. Epsom sub-district, except the parishes of Ashatead and Headley (pop. 1265); 37:1, the parishes of Warfingtham and Farley in Godstone sub-district; 39:3. Esher sub-district, except the parish of Esher (pop. 1893); 41:1. Brominey sub-district, except the parish of Cudham and sub-district; 187:1, Chigwell sub-district, except the parish of Chelsfield (pop. 947): 135:1, the parish of Northam in Hardeld sub-district, except the parish of Theydon Bois (pop. 875): 189:1, the parish of Dagenham in Romford sub-district. also deaths in Workhouses belonging to the Outer Ring in 42.2, Dartford, 187: 2, Watford, and 187: 1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

‡ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 4th May, 1889.

		Area			L RATE			The DE	ATHS	regia	tered	in t	he W	eek i	nelud	е	
	GREATER	in Acres,	Estimated		D living.	DEATHS	Deat	hs of			I	eath	s from	n			Public 10115.
	LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhos.	Violence.	Deaths in Pu
	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
RE.	ATER LONDON	448,334	5,642,015	16.1	2.0	1742	385	405	-	98	17	24	60	8	14	67	363
I	WNER LONDON -	77,410	4,351.738	16.6	2.1	1336	309	310	-	68	15	21	53	7	12	53	315
0	UTER RING -	370,924	1,290,277	14'4	1.7	356	. 76	95	-	80	2	3	5	1	2	12	48

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal o 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,567,002 Persons.

	D					ANNUAL	DE	ATHS	FROM D	PRINC	ES.		
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETUI	1	BIRTHS.	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœal Diseases
CALCUTTA	433,219	March	16		194	23.3	2	-	-	1	-	65	35†
BOMBAY	773,196	April	ð	229	473	27.1	17	31	-	-	-	164	36†
MADRAS	398,777	March	22			-	-	-	-	-	-	-	-
PARIS	2,260.945	April	27	1181	1055	24.3	5	14	2	37*	14	10	58
BRUSSELS - vith 8 Faubourgs.)	471,606	. 99	27	291	203	22.0	1	1		-	3	1	16
AMSTERDAM -	390,016	19	27	238	171	22.2	-	6	-	- 3	3	1	-
ROTTERDAM -	197,723	39	27	141	80	21.0	-	1.	3	~	-		-
THE HAGUE -	153,440	33	27	98	60	20'3	-			-	2		-
COPENHAGER -	807,000	93	20	198	137	23*3	-	- '	-	4	7	pm 1	5
STOCKHOLM -	221,549	22	20	120	61	13.9	-	-	-	2*	1	ine	4
CHRISTIANIA -	138.30)	99	27	76	61	22.9	-	840	2	4	3	-	3
ST. PETERSBURG	842,883	19	20		594	36.8	1	1	10	10	6	13	89
BERLIN	1,470,582	19	13	904	654	23.1	-	3	,1	19	14	4	81
HAMBURG(State)	550,694	79 .	20	379	243	23.0	-	-	3	2*	4	2	11
DRESDEN	264,196	9	20	151	108	21.3	2	1	- ,	6*	2	-	4
BRESLAU	313,451	33	27	210	206	34.3		2	-	11*	2	1	14
MUNION	281,000	99	20	214	176	32.6		4	4	6*	1	1	20
VIENNA	811,434	37	20	519	387	24.8		9	1	6	3	2	22
PRAGUE	304,356	. 93	20	-	201	34.2	9	1	1	8	1	4	3
BUDA-PESTH -	452,907	,,	20	344	256	29.4	7	-		4	2	2	14
TRIESTE	158,084	33	20	-	81	26.6	-	-		2*		-	
ROMB	401,044	March	16	273	213	27.6	-	9	~	5	2	4‡	13
TURIN (11 days)-	306,398	33	31	270	230	24*9	1	1		2	5	2	10
VENICE	153,375	April	20	88	69	23.2	1	1	-	1	1	1	4
CATRO	374,538	99	11	358	347	48°3	4	2		-	6	21	116
ALEXANDRIA -	231,396	29	11	201	195	44.0	-	15	-	,	_	8	50
NEW YORK -	1,549,500	22	13	-	861	29.0	-	19	54	60	21	5	13
BROOKLYN -	814,505	33	13		384	24.4	-	14	13	25	3	11	6
PHILADBLPHIA .	1,040,245	39	13	-	421	21.1	-	-	5	5	1	11	1
BALTIMORE -	500,343	93	13		157	16'4	-	-	3	3	1	1	1

\* Including deaths from croup. † Including 23 deaths from cholera in Calcutta, and 2 in Bombay. ‡ These 4 deaths were caused by malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 4711 Max, 1889. [Under the Superintendence of the Astronomer Boyal.]

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Prince   P			Ozone.		10	8.6	8.9	31.50	£. 4	8.9	7.0	5.6	27	ea; no	of the er, are	er, and eading ximum he air	educed Hygro-	graphic vement	t below	er. The	nt, show	g to the	29.32in.	
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Prince   P			Robinsol	ovement true Air the Air Day.	Miles.	:	0 0	ŧ	:	:	•	Sum	24	ve the me	vel. and 9h. 1 I the wet ctions dec	With the of the of the	legree of mometer	a discuss and that a 16 year that + i	ed at a de Cattle M	lf-register	okes Sun	be under	on the 291 the 3rd	
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Prince   P	seed from		Pressu			5.3	0.9	9.1	2.0	9.1	¥. [	:	21	meter	S to re. M.; no	the the	and v	that diverse metric	Thame ties of	from from	om the	observ	to 29.7	
Prince   P	Wind as dedu	Osler's.	Direction.		SSW.	SSW. SSE.	SE,S.& SSW.	SE. & ESE.		SSW. & SE.		H	20	n of the baro	to the reading taken at 9h. A ter, the dry bu	s made during ading 1868 for er is combined	aily dew point	e of the air is h during the 20 n of the anemo	age.  e water of the jet one of the jet	ered by the city is derived	29, derived fre	meteorological it to midnight	increased to 29	Ulle weens
Prince   P			General ]	A.M.	SAE ENE.	SSW.	Ej.				Calm & SE.	C C	10	of the cister	been applied are usually the barone	aphic record	The mean den daily value	temperatur at Greenwich a discussion	une conditions nan the avera meters in the	s are regist f London. of Electric	loyed are:	of all the rounding	ne 25aii of Ai	y the cha or
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## OFFICIAL COPY,

### WEEKLY RETURN

#### AND DEATHS IN LONDON

#### TWENTY-SEVEN OTHER QREAT TOWNS.

## By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office. AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 19. 1889. Vol. L.]

WEEK ENDING SATURDAY, MAY 11.

Price 1 d.

General Register Office, Somerset House, 13th May, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 18.8 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending		\$ 100			Weeks	ending	3
Towns.	Apr. 20.	Apr. 27.	May 4.	May 11.	Towns.		Apr. 20.	Apr. 27.	May 4.	May 11.
Bristol -	19·4 28·0 21·8 20·4 12·0 18·7	18·7 23·2 20·0 18·4 12·4 18·0	16·3 32·3 28·7 18·4 22·3 18·0		Norwich - Nottingham Oldham -	: ne*	17·1 28·6 25·6 16·6 19·7 24·6	27·1 15·8 19·4	16.6 28.4 23.7 21.0 20.6 29.3	15·5 31·5 24·0 22·1 17·1 25·3
Derby - Halifax - Huddersfield Hull -	17·5 16·7 21·9 18·3 23·6	15·4 22·5 24·2 24·6 27·2	18·5 25·7 21·4 19·6 25·3	14·8 16·4 32·2 19·7 23·6 23·6 16·6	Plymouth - Portsmouth Preston - Salford* - Sheffield - Sunderland Wolverhampton		19·9 37·6 24·1 19·3 17·1	30·0 16·3 38·6 19·8 19·1 14·0 25·9	16.6 29.5 19.2 22.3 19.8	17·4 31·5 21·2 19·5 17·5

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.9 in Leeds, 3.2 in Bolton, 3.3 in Manchester, 3.5 in Hull, 3.9 in Halifax, and 5.5 in Preston; from searlet fever, 1.1 in Sheffield, 1.3 in Plymouth, 1.4 in Bolton, and 1.6 in Salford; and from whooping-cough, 2.2 in Bradford, 2.9 in Oldham, 3.0 in Preston, and 3.6 in Birkenhead. The deathrate from "fever" did not reach 1.0 in any of the twenty-eight towns. The 33 deaths from diphtheria in these towns included 23 in London, 2 in Portsmouth, 2 in Bolton, 2 in Manchester, and 2 in Salford. Small-pox caused no death in any of the twenty-eight great towns.

LONDON.

In LONDON 2565 BIRTHS and 1295 DEATHS were registered. increase of population, the births were 249, and the deaths 312, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the five preceding weeks from 18.8 to 16.6, further fell last week to 15.5, and was lower than in any previous week of this year. During the first six weeks of the current quarter the deathrate averaged 17.2 per 1000, and was 3.5 below the mean rate in the corresponding periods of the ten years 1879-88.

The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leieester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated and those for Newcastle-upon-Tyne and Cardiff over-stated.

The 1295 deaths included 60 from measles, 10 from scarlet fever, 23 from diphtheria, 37 from whooping-cough, 5 from enteric fever, 4 from ill-defined forms of continued fever, 10 from diarrhæa and dysentery, and not one from smallpox, typhus, or cholera; thus, 149 deaths were referred to these diseases, being

74 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 17; no small-pox patient was under treatment at the end of the week in the Metropolitan Asylum Hospitals, or in the Highgate Small-pox Hospital. The deaths of 2 infants were attributed to chicken-pox. The deaths from measles, which had been 65 and 68 in the two preceding weeks, declined last week to 60, and were 4 below the corrected average; 6 belonged to Westminster, 4 to Islington, 5 to St. George Southwark, 4 to Newington, and 7 to Greenwich sanitary areas. The fatal cases of scarlet fever, which had been 9 and 15 in the two previous weeks, declined again last week to 10, and were 15 below the corrected average; 2 belonged to Stepney and 2 to Camberwell sanitary areas. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 610 scarlet fever patients, against 570, 581, and 617 on the three preceding Saturdays; 58 cases were admitted to these hospitals during the week, against 53 and 70 in the two previous weeks. The deaths from diphtheria, which had been 29 and 21 in the two preceding weeks. were last week 23, and exceeded the corrected average by 9; 3 belonged to Kensington, 3 to Hackney, 2 to Mile End Old Town, and 2 to Lambeth sanitary areas. The fatal cases of whooping-cough showed a decline of 18 from the number in the previous week, and were 41 below the corrected average; 3 belonged to Chelsea, 3 to Pancras, 4 to Islington, 3 to Poplar, 4 to Camberwell, and 3 to Greenwich The deaths attributed to diarrhaa and dysentery, which had been sanitary areas. 18 and 12 in the two previous weeks, further declined last week to 10, and were 3 below the corrected average; 7 were of infants aged under one year.

The 5 deaths referred to enteric fever, corresponded with the number in the previous week, and were but half the corrected average. The death of a child, aged 2 years, in Pancras was attributed to remittent fever; the deaths of two infants and of a female, aged 17 years, were indefinitely referred to febricula; and that of a female, aged 70 years, to continued fever. The death of a soldier, aged 19 years, in the Herbert Hospital was referred to "cerebro-spinal fever, 7 days." The Metropolitan Asylum Hospitals contained 13 cases of enteric fever and 2 of typhus on Saturday last; only one case of enteric fever was admitted

during the week.

The deaths referred to diseases of the respiratory organs, which had been 305 and 242 in the two preceding weeks, further declined last week to 213, and were

124 below the corrected weekly average.

Different forms of violence caused 66 deaths; 52 were the result of negligence or accident, among which were 23 from fractures and contusions, 3 from burns and scalds, 9 from drowning, 1 of a sign-writer from lead-poisoning, and 13 of infants under one year of age from suffocation. The 23 deaths from fractures and contusions were thus caused:—11 (1 intox.) by accidents from vehicles in the streets; 1 by accident on railway; 1 by fall of crane; 1 by fall through skylight; 1 by fall from second floor; 1 by fall from ladder; 1 by fall from roof; 4 by fall down stairs; 1 by fall in room; and 1 by fracture, the nature of which was not stated. An inquest was held in each of these 23 cases except the last 2. Thirteen cases of suicide were registered during the week, exceeding the corrected average by 3.

## GREATER LONDON.

In Greater London 3407 births and 1649 deaths were registered, corresponding to annual rates of 31.5 and 15.3 per 1000 of the estimated population. In the Outer Ring 15 deaths from measles, 7 from diphtheria, 6 from whooping-cough, and 5 from "fever" were registered. The fatal cases of measles included 5 in Acton and 5 in Edmonton sub-districts; and 2 deaths from "fever" were recorded in Mortlake sub-district, and 2 from diphtheria in Tottenham sub-district.

Professor Frankland's report upon the quality of the water supplied by the various companies to the Metropolitan area during April will be found on pages 191-2.

## METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.62 ins.; the highest reading was 29.74 ins. at the beginning of the week, and the lowest 29.49 ins. on Thursday afternoon. The mean temperature of the air was 57°.7, and 7°.1 above the average in the corresponding weeks of the 20 years ending 1868. The mean considerably exceeded the average on each of the first six days of the week, while on Saturday it fell below the average. The direction of the wind was variable. Rain fell on four days of the week, to the aggregate amount of 0.71 of an inch. The duration of registered bright sunshine in the week was 37.5 hours, against 24.7 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the London Water Companies who have furnished him with the average daily quantity of Water supplied during the month of April 1889; according to their returns 156,329,633 gallons or 710,277 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 209 gallons (95.0 decalitres), rather less than a ton by weight, to each house, and (assuming 7.8 persons to each house) 26.7 gallons (12.1 decalitres) to each person, corresponding with the amount supplied during April 1888.

COMPANIES.	Number of suppli		Average daily S in Gal	
COMPANIAS.	APRIL.	APRIL.	APRIL.	APRIL.
	1888.	1889.	1888.	1889.
TOTAL SUPPLY	736,622	749,655	153,608,044 .	156,329,633
From Thames	354,964	361,408	77,325,367	77,497,914
	381,658	388,247	76,282,677	78,831,719
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	34,474	34,881	9,048,072	9,021,881
	70,217	71,541	14,242,916	14,188,616
	109,242	110,854	22,339,248	22,230,205
	54,070	55,325	15,705,331	16,016,012
	86,961	88,807	15,989,800	16,047,200
LEA AND OTHER SOURCES.  New River East London Kent	150,060	152,171	27,526,000	29,474,000
	161,137	164,357	37,559,425	38,021,132
	70,461	71,719	11,197,252	11,336,587

Note. — The Return for April 1889, as compared with that for the corresponding month of 1888, shows an increase of 13,033 houses, and of 2,721,589 gallons of water supplied daily.

# Analysis of Metropolitan Water Supply during April.

Water-analysis Laboratory, The Yews, Reigate, 30th April, 1889.

SIR, I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of April.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow. Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.4, Tottenham 1.2, New River 1.4, Colne Valley 1.5, Grand Junction 1.8, Lambeth 2.3, Southwark 2.6, East London 3.0, and Chelsea and West Middlesex 3.3.

Of the Thames water that sent out by the Grand Junction Company was again distinguished by its comparatively high degree of organic purity, whilst the water delivered by the Chelsea and West Middlesex Companies, though of better quality than last month, contained nearly twice as

much organic matter. All these waters were efficiently filtered before delivery.

Of the water chiefly drawn from the River Lea, that supplied by the New River Company, was of better quality than the best of the Thames waters, whilst that derived by the East London Company contained nearly as much organic matter as the worst of the Thames waters. Both waters were efficiently filtered by the respective Companies.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a high degree of organic purity; the Kent Company's water being especially distinguished in this respect. The Colne Valley Company's waters was softened before delivery, and was thus rendered suitable for washing. These waters require no filtration. They were clear and bright.

Seen through a stratum two feet deep, the waters presented the following appearances:-Kent, Colne Valley, and Tottenham, clear and colourless; New River, clear and nearly colourless;

remaining waters, clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "turbid. Its physical characters indicate defective filtration, and the organic

matter (principally of vegetable origin) is greater than it has been for a very long time."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

OR	COMPANIES LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES. Chelsea	April 2nd, Cab Rank, Horse Guards, Whitehall.	7.3	28.44	•160	*033	0	*252	*285	1.8	18.9
ш	West Middlesex -	{Cab Rank, Portland-road.}	8.4	29.02	*156	.038	0	•259	*297	1.8	19.4
	Southwark	April 2nd, Cab Rank, Bricklayers Arms, Old Kent-road.	8.3	30.94	•124	•027	0	239	*266	1.8	20.0
Inner Circle,	Grand Junction -	April 2nd, Cab Rank, Uxbridge-road, near Marble Arch.	8.2	30.46	*080	*024	0	*286	*310	1.8	20.9
Inne	Lambeth	April 2nd, Cab Rank, St. George's- road, Southwark.	8.5	31.30	•114	*024	0	*281	'305	1.8	21.2
	LEA. New River	April 2nd, Cab Rank, Tottenham Court-road. April 2nd,	8*4	29.50	*064	*016	0	.277	*293	1.9	20.0
	East London	Fire Brigade Station, Commercial-road, E.	8.5	34.76	*147	.032	0	•275	*307	2.1	21.2
ole,	DEEP WELLS.	April 2nd, Mill Lane, Deptford.	11.6	43.80	*014	•007	.0	•500	*507	2.6	30.3
Outer Circle,	Colne Valley	April 9th, Bushey.	-	17:90	.072	.016	0	*347	*363	2.1	6.9
Oute	Tottenham	{ April 8th, Tottenham. }	-	40.82	*048	•021	*060	trace	.070	2.8	22.1
Cor	poration of Birming-	April 1st, 12, Court, New Canal St.	9.0	30°82	*286	.052	*001	*182	·185	1.2	17.5
Cor	poration of Glasgow†-	April 15th, Loch Katrine Water.	5.8	2.70	•119	.037	0	*004	.041	0.7	0.95
_	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

\* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the Borough.
† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 2nd April at the Horse Guards cab-rank, had a temperature of 7° 3 C.; 100,000 lbs. of it contained 28 44 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained '160 lb. of carbon and '033 lb. of nitrogen. The above quantity of water also contained no ammonia, and '252 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was '285 lb. The above weight of water also contained 1.8 lbs. of chlorine; and 18.9 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

1				1	-							OM.			,																			
		CITIES	AND BOROUGIES.		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	WOLVBRHAMPTO	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	FOLTON.	MANCHESTER.	SALFORD.	BLACKBURK.	PRESTOK.	HUDDERSFIELD	HALIPAX.	BRADFORD.	LEKUS. SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	Potworman	GLASGOW.	DUBLIN.
A contract of the second	FALE.		enti-	In C	24.	1.80	1.80	0.02	• •	1.37	₹6.0	3.50	8		2.02	1	8	3.45				1 1	8		•	1.55	1 1	2.44	1	0.23	1	0.01	3.38	2.40
	RAIMFALL		•eəq	In Inc	23.	14.0	11.0	0.0	8 (	6.04	0.37	1.56			1.11	•	8	1.36	4			1 1	8	•	•	0.48	1 1	96.0	1	0.51	ı	0000	1.35	0.98
889.	AIR.	an.	.apa	Centigr	22.	12.55	14.28	18.33		68.11	12.06	12.28		1	13.00	1		12.44	8		8	1 1	ı	,	,	12.89	1 1	9.64	1	10.72	1		10.00	68.01
lay, 1	OF THI	Mean.	.tiet	Fabren	21.	54.0	2.10	0.99	•	52.5	53.7	54.1		ı	55.5	1		P. 1-0	1	1	1	: :	- 1	t	•	55.5	1	6.67	1	51.3	ı		53.5	
1th M	TEMPERATURE OF THE AIR	*3	59 M O'	l libeit.	20.	39.3	2.4	0.85		41.3	9.74	39.3			46.4	1	8	40.5	1	8		1 (		8		8.4	1	40.0		42.0			43.5	34.7
ending 1	CEMPER	*19	e dgil	Fahrenheit	19.	74.3	74.2	~	•	0.49	8.04	0.82	,	1	8.04	t		0.14	1	•	1			1		68.8	1	7.0.4	-	62.0 4	1	-	10 4	4.79
еек епс		eaths	ni se	Fron Disease Cols. 6	18.	2.3	1.8	6.0	1.0		0.7	1.3	1.8	1.0	1.2	0.0	_		<b>7.9</b>	4.8	9.8	œ c	0 10	1.1	3.8		2.2	0 0.7	9.1	_	0.2		2.4	_
the We	Annual Eate per 1006, corresponding	to th	All es.	From	17.	18.8	15.5	15.9	17.4	1.77	1.41	22.1	18.6	9.91	17.1	16.4	20.4	1.61	28.1	2.18	21.5	25.3	0 02	10.1	32.2	23.1	25.6	0.61	17.2	0.76	8.71	-	17.6	8.25
		arn.		Unce Sauses	16.	72 1	17	23	-	1 1	1	1	60	-	1	1		12	4	03		00 G	N 0	-	F-4		63			67		-	19	
Towns, during		*8	the in	nea(I u'A litenI	16.	540	310	4	20 0	13 CJ	9	29	14	10	00	c)	63	43	61	41	13	1 0	0 0	2 <del>4</del>	4	90	21	9 1	9 -	7 5	10		20	22
NAOJ				Inques	14.	242	125	1	9	1 -	1 00	10	18	60	73	13	63	16	\$1	15	-	70 L	٦ ٥	۹ -	1 1	9	90		٥ د	7 7	. 67		a. o.	င၁
GREAT 7	lude		.90	Violen	13.	131	99	1	4	-	-	00	13	-		-	6.1	13	67	00	-	<b>01</b>	1 9	- F	1	61	က	1 1	2	1 4	1		9 6	4
28 GR	The DEATES registered in the Week include		.880	dттяіЦ	12.	31	10	1	Н	1 63	1	-	60	-	-	-	1	7	-	63	1		-	1 1		-	-	-	_	1 -	1		1 1	_
r in 2	the W			Ferer.	7	8	c	1	ı	1 4	1	1	1	-	63	1	1	1	-	:0	-	-	8 1	1	1	1	1	<u>-</u>	1 7		1	۱	co -	(0)
DOTO	red in	s from	-8ai	Whoop	10.	114	25.7	-	-	- 1	00	1	-1		00	1	1	4	1	63	00	00	1	9 -	4 1	10	00	20	4 1	- 0			4	10
EORC	registe	Deaths	.sira.	Diphth	9.	33	93	1	67	1 1		-	-	1	- 1	-	1		21	c1	91	1	1	1	1 1	_	1	\$	1	1	1 1		61 :	1
MET	ATE			Searlet Fever	œ .	46	10	1	1	1 0	3 6.	1	6	1 1	1		_	9	63	-	1-		1	1 -	1	1		1-	1	21 1	- 1	- 1	1 -	9 08
, and	he DE		•	Messie	2	170	RO	3 =	1	1	4	H 8	-	8 1	_	4 1		1	2	9.4	30	31	1	11	9		133	2	14	1 0	1 1	-	1 7	4 1
DEATHS, and METEOROLOGY in	-		.xo	q-flam8	9	1 '		1	1	1	1	1		1 1			-			1	1	1	1	1	1 1				1	ß.	1 1	=	1	1
		pe of	sged re srds.	Persons 89Y 08 wqu bas	5.	669	3	202	2	13	× 5	11	8	22 25	10	2 [	11	35	90	653	01	0.	4	6	17	96	35	20	16	10 1	12	-	23 5	21
BIRTHS,		Deaths	10	u sinsini I Sest SgA	4.	89.7	200	787	10	10	90 9	16	1	10	10	12	- 0	9 02	18	40	07	138	23	25	20 0	00	43	30	60	10	19		= 3	29
TABLE 1I	during	Saipus	., 1889.	DEATES.	80	2438	0.40	1295	47	40	33	33.		791	48	27.	10	666	63	000	26	69	558	63	35.05	104	162	122	94	45	32		06	185
TABL	Peristered during	the Week ending	11th May., 1889.	BIRTHS. I	0;	2001	1290	2565	115	62	41	35	3	303	303	131	40	389	73	Ling	133	26	69	69	49	10.6	257	213	151	95	128		169	189
	1		estimated : 1		-	-	9,555,406	4,351,738	121,807	94,510	78,225	229,361	62,544	454,835	150,520	237,812	98,529	102,511	114.670	0000040	934.983	142,405	121,275	104,194	92,825	020 26e	357,449	827,227	208,017	184,193	112,712		266,900	353,082
	Transfer of the Control of the Contr	-	CITIES	вополенв.	alov	COLOR	28 TOWNS.	LONDON .	BRIGHTON	NORWICH	PLYMOUTH .	BRISTOL .	WOLVERHAMPION	Вівміненим .	LRICESTER .	NOTTINGHAM	DERBY	BIRKENHEAD .	LIVERPOOL .		MANCHESTER	OLDHAM	BLACKBURN .	PRESTON .	HUDDERSFIELD -	Despera	LEEDS	SHEFFIELD .	HULL	SUNDEBLAND .	CARDIER*		EDINBURGH -	DUBLIN

TABLE 2. LONDON.—Births and Deaths Registered in the NINETEENTH Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births Males Females .	2520	2687	2561	2569	2637	2811	2544	2424	2481	2574	2814·3	2555
	1303	1377	1348	1305	1335	1391	1318	1244	1263	1508	1438·6	1264
	1217	1310	1213	1264	1302	1420	1226	1180	1218	1266	1375·7	1301
TOTAL Deaths Males Females .	1582	1389	1427	1433	1653	1586	1496	1414	1395	1860	1606·8	1295
	852	698	727	705	869	819	784	703	731	715	829·0	619
	730	691	700	<b>728</b>	785	767	712	711	664	645	777·8	676

The numbers in this column are the average weekly numbers in the nineteenth weeks of the ten years 1879-88,
 raised by 9.046 per cent. for increase of population.

TABLE 3. L()NDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WERES.

TABLE 3. LUNDUN.	Dini	113, 171	Allis	and	MELL	COROL	UGI 1	n the	Liast	THIE	TEEN	WEE	KS.
	Feb. 16.	Feb. 23.	Mar.	Mar. 9.	Mar. 16.	Mar. 23.	Mar. 30.	Apr.	Apr. 13.	Apr. 20.	Apr. 27.	May 4.	May 11.
TOTAL Births	2511	2695	2609	2698	2699	2670	2808	2676	2509	2488	2522	2712	2565
TOTAL Deaths	1516	1567	1472	1637	1638	1554	1476	1572	1493	1426	1462	1386	1295
Ages at 0-20 years - 20-40	655 182 279 322 78	666 202 278 337 84	681 153 254 314 70	695 175 309 391 67	719 188 298 357 76	666 165 274 366 83	642 200 274 287 73	729 175 237 305 76	671 183 266 310 63	670 174 214 299 69	708 171 256 264 63	626 184 266 258 52	577 175 251 245 47
"" {Under 1 year - 1-5 - 5-20	326 247 82	344 238 84	349 257 75	322 277 96	362 249 108	317 276 73	316 242 84	368 261 100	322 251 98	299 279 92	361 273 74	309 246 71	287 218 72
Deaths from Small-pox  ,, Measles ,, Scarlet fever , Diphtheria ,, Whooping-cough Typhus , Enteric fever , SimpleContafever , Diarrhœa and Dysentery ,	18 10 10	70 14 27 31 1 8 -	67 12 25 31 1 6 -	76 16 20 29 - 4 3	60 16 31 37 - 6	84 6 23 42 - 4 -	56 11 18 51 - 8	74 15 26 49 - 9 -	72 13 36 43 1 10 1	70 10 22 51 - 6 -	- 65 9 29 56 - 3 1	68 15 21 55 2 12	- 60 10 23 37 - 5 4
,, ,, Cholera	138	167	160	163	166	177	153	190	187	169	131	178	149
mentioned Diseases { ,, ,, Dis. of Respira- tory System } ,, n Phthisis - ,, Dis. of Circula- tory System }	376 158 120	362 156 130	362 127 116	402 161 150	396 162 157	378 139 127	332 153 153	364 170 146	294 152 135	300 128 93	305 164 119	242 143 154	213 125 134
Violent Deaths Inquest Cases Deaths in Public Institutions	98 375	65 114 353	57 118 353	52 114 395	63 127 378	53 111 365	52 125 354	69 130 340	68 130 325	57 111 315	69 116 331	55 107 315	66 125 310
TEMPERATURE OF THE AIR Mean Mean of Highest readings - Mean of Lowest readings -	34·3 40·9 27·1	41·4 47·3 36·2	32·8 37·7 29·8	37·4 46·3 28·9	38·8 46·8 31·2	42·5 50·3 35·7	45·6 54·6 38·6	51.8	43·5 50·4 38·6	46·5 55·3 39·8	47.5 57.8 39.1	50.8 61.9 41.5	57-7 67-9 49-1
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	84 1·19 8·7	81 0·05 14·9	83 0·13 7·6	75 0·54 26·0	80 0·04 14·8	80 0·53 18·4	81 0·11 14·3	78 0·27 21·3		1			77 0·71 37·5

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., Ll.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolver-hampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-ham; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health., Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 5. LONDON.—DEATHS Registered at several groups of AGES from different Causes in the Nineteenth Week of the Year 1889.

	In the Week ending Saturday, 11th May 1899.  Deaths of Persons of Deaths of Persons of																		
	s for the	-	Satu	rday	, 11th	h Ma	y 18	89.			for the 0 years		Satu	irday	, 11t	h Ma	y 18	33.	-
	he 1	29 1 000	Averages fishs of the 10 y	-		t	he A	ges	us UI										
AUSES OF DEATH.	Corrected Averages 19th Weeks Of the 10 and under 40.  See 30.  Out Years and under 40.  Out Years and under 80.													r	under 40.	ır 60.	r 80.	and	
	veek Veek	6 M D				nnd	nud	nud	are		Week	AGES.		20.		nuq	under	under	
	Correct 19th V		Corrected 19th Weel	ALL A	0-1.	1-5.	6-20.	20 and	40 and	60 and	80 Years upwards								
ALL GAUSES	1606.8	1295	287	218	72	175	251	245	47	Diseases of Organs of Special Sense † }	2.1	1	-	1	-	-		-	-
Small- Vaccinated; - Unvaccinated pox	17.3	-	- 1, 1	-	-	-	-	-		Diseases of Circulatory }	108.0	134	2	-	5	21	49	51	6
No Statement	63.7				-	-			-	-									
Scarlet Fever	25.0	Bronchitis	190.8	109	41	26	1	ī	12	23	5								
Typhus	0.4	-	-	-	-	-	-	-		Pleurisy	98'4 6'4	76 6	16	23	2	5	17	12	1
Relapsing Fever't	0.0		-					-		Other Diseases of Respi- ratory System}	30.4	19	8	4	1	1	4	8	3
Influenza Whooping-cough	78.3	87	17	20	-	-		-	H		10.1	7.		_	-	-	-	-	-
Diphtheria	14.3	23	2	17	3	1	-	-		Dentition † Quinsy, Sore Throat † - Enteritis	18·1 2·0 5·2	11	5 - 0	6	,=	-	-	0	-
Simple Continued and \ Ill-defined Fever -	1.1	4	1	1	1	-	-	1		Peritonitis Diseases of Liver	5.8 5.9	9 6	1		3	2	13	1	-
Enteric Fever	9.6	5	-	-	2	2	. 1	-		Other Diseases of	33·9 29·4	30	4	1	1 2	4 2	6	10 6	2
Cholera Diarrhœa, Dysentery -	13.0	10	7	1		-	-	2		Digestive System - 5		_	!		_	_	-	_	
Remittent Fevert	0.8	1	-	1	-	-	-	-	П	Diseases of Lymphatic ) System & of Ductless }	0.6	-							,
Hydrophobia	0.0		-			-	-	-	-	Glands †)									
Cowpox and Effects of Vaccination †	0.0		-	-	-	-	-	-	L	Diseases of Urinary \	39.1	38	1	-	8	9	13	10	2
Venereal Affections -	9.8	6	1	1	-	2	1	1						_	_			-	
Erysipelas Pyæmia and Septicæmia †	3.3	1	-	1	-	1		-		Diseases of Generative	5.2	8		-		2	4	2	
Puerperal Fever	5.2	7	-		-	6	. 1	-		Accidents of Childbirth	3.9	3	-	-	-	3	-	-	-
Other Zymotic Diseases †	2.4	4	2	-	1	-	1	-	-	Diseases of Locomotive )									
Thrush	1.7	-	-	-	-	-	-	-	-	System †}	7*9	2	-	-	1			1	
Worms and other Para-1	0.2	1	-	-	-	1	-	-	_	Diseases of Integumen- }									
sitical Diseases }			-	-	-					tary System}	5.2	7	3	_	1		_	3	
Starvation, Want of	1.5	1	1	-	-		-	_	-										
Breast-milk †	4'8	10	-	-	-	4	5	1		VIOLENT DEATHS.§									
			1	-	-		-	-		ACCIDENT.)	10.0	00					-	0	
Rheumatic Fever. }	7.5	6	1-	-	1	4	-	1	-	Fracture and Contusion Gunshot Wound	0.1	23		1	5	-	5	6	2 -
Rheumatism †	2.7	1	-	-	-	-	1	-	I-	Cut, Stab Burn and Scald	0°3 4°6 0°8	3	ī	1	-	-	-	1	-
Gout	3°2 4°3	2 4	2	2	-		1	1		Poison	6.4	9 14	13	-	ī	4	S	1	H
Cancer	51.1	66	1	1	2	3	30	23	1	Otherwise	2.8	2	13	1 -	-	-	1	-	-
Tabes Mesenterica -	23'3	20	10	8	1	-	1	-						1.60	ri .		-		-
Tubercular Meningitis - Phthisis	83°7	28 125	9	15	11	68	44	3	-	(Homicide.) Murder & Manslaughter	1.1	1				-	1		
Scrofula, Tuberculosis -	13.1	15	4	5	3	2	1	-	-	- Daniel of Daniel augustaf		-							-
Other Constitutional Diseases †}	12.5	16	1	1	8	4	1	6	-	(Suicide.) Gunshot Wound	0.8	2	-	-		1	1	2	
Premature Birth	89.5	28	28	-	-	_	-	-	-	Cut, Stab	1.7	1		-	-		1	-	
Ateleotacis +	2.4	2	2	-		-	-	-	-	Drowning Hanging	2.4	5 2 2		-		3	1 1	1	E
Congenital Malforma-}	5.9	8	7	-	1	-	-	-		Otherwise	0.9	2		-	_	-	1	1	
Old Age	48.8	34	-	-		-	-	17	17	(Execution.)									
Apoplexy	46.6	45	1	1	-	4	14	21	4	Hanging	0.1	-	-	-	-	-	-	-	
Epilepsy	6.9	9	37	5		4	1 -	3								-		-	
Other Diseases of Brain and Nervous System		80	19	13	4	9	9	23	8	OTHER CAUSES †	59*2	32	25	5	-	-	1	1	
and Nervous System }	1	1 00	1	-				1		1		1					1		
9 The mark and in this		on the c			ook!	n Da	atha	for t	ha ta	years 1879-88, raised by 9°0	16 nov co	nt for	inove		é no	nazla t	ion		

e weekly Deaths for the ten years 1879-38, raised by 9°048 per cent. for increase of population.

thy ascertained, the average for the seven years 1832-3 has been used.

as "vaccinated" or as "uavaccinated" which are so certified by registered medical men. When
seesaced has, or has not, been vaccinated, or when the cause of death is not certified by a registered
ing "no statement."

int to enable, the Goroner to certify whether a violent death be the result of accident, murder,
assed under "accident or negligence."

Table 5. LONDON .- Population; Births; Deaths from all Causes, and from Small-pox, Measles, Sca

TABLE O. BONDON.—I OF GRAIT													dur	ing	the '	Wee	E 61
- 17			Page 1	1			. The	DEA	THE	regist	erad	in the	Wee	kine	lude		
	Enume-			Dea	ths of					Dest	he fro	m					
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881.	Total Binnus	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-por.	Measion.	Searlet Fever.	Diphtheria.	Whooping-sough.	Typhus.	Enterie (or Lyphoid) Fover.	Simple con-	Diarrhon.	Violence.	Inquest Cases.	Deaths in Publi
LONDON - · ·	3,815,704	2565	1295	287	292	-	60	.10	23	37	-	5	4	10	66	125	310
West Districts  Ce tral Districts  East Districts  South Districts  Methopolitan Asylum Fos- pitals outside Registration London  West Districts	66 '.483 965,947 282,238 692,738 1,365,148	294 591 146 481 960	250 285 85 235 460	46 49 15 53 121	52 68 14 53 105	-	11 10 2 10 27	2 6 -	4 8 4 4 8 -	8 7 2 4 16		3 - 2 -	1 2 -	2 4 - 1 3 -	9 12 6 †8 51	21 27 12 21 44	67 67 28 66 81
St. Mary Paddington   WHH   G.J. & W.M.     St. John Paddington   H   - G.J.     Rensington Town   Ww   - W.M. & C.     Brompton   H   - W.M. & C.     St. Peter Hammersmith   H   W.M. & G.J.     Fulham   Wew   - W.M. & C.     W.M. & C.     W.M. & C.	69888 87380 120141 43010 7599 64340 42900	36 11 50 14 5 62 71	27 13 26 14 2 27 29	8 2 7 1 - 5 8	9 1 8 2 7			2	2 - 1		111 11 111		11 11 11		1 2 - 2 1	4 2 2 1 - 5 2	7 10 6 5
Chelsea South HHH C. Chelsea North-west WHHHHHH- C. Chelsea North-east - C. May Fair WW G.J. Belgrave WHHH C. St. John Westminater HHH - C. St. Margaret Weatminater H - C.	0396 24925 32807 80353 59220 85496 24679	21 12 16 6 27 22 9	10 12 6 18 18 15 5	3 - 1 2 4 1	5 - 22 6 32 -	1111111	2 6	1111111	1111111	1 1 1	11111111	1111111	11111111		1 - 2	2 1 - 2	3 5 - 11 6 - 2
St. James Westminster WHH N.R. & G.J. St. Anne Soho HHHHHHH - N.R. & North Distracts.  All Rouls Marylebone HHHH - W. M. Cavendish Square HHHH - W. M. Rectory Marylebone WH G.J. & W. M. St. Mary Maryleb. HHH G.J. & W. M. Christohurch Marylebone HH - W. M. W. M. W. M.	29941 16608 26759 14891 24809 21118 88700	16 16 9 11 11 27 25	5 3 8 1 5 6	2 2 4	2 1 - 1 1 1		1		11111	1	11111		1111	11 11111	1	1 - 2	5 1
Hampstead	33638 45452 89115 27729 30247 84369 17811 87487	23 31 18 15 14 24 9 50	10 17 11 18 11 9 14 26	3 1 2 - 7	2 6 5 3 4 1 10 9		1 1 1	1 1 1 1 1 1 1	21	1 1 1	1 1 1 1 1 1 1	1			2 2 1 - 1	3 3 2 3 1 - 1	3 12 7 1 12 4
Upper Holloway WWwH N.R.	67946 100976 61895 52048 22781 9277 87610 76911 39883	47 80 85 27 18 8 19 54 26	40 19 19 11 7 4 8 28 7	8 2 4 2 8 1 2 4 -	78411185		1 - 1	11111111	1 - 1 - 3	1 2 1	11111111	1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 - 1	1 2 2 - 1 1	13
CENTRAL DISTRICTS.  81. Gleorge Bloomsbury - N.R. 81. Glies South WH N.R. 81. Glies North N.R. 81. Martin-in-the-Fields HH N.R. & C. 81. Mary-le-Strand H N.R. 81. Clement Danes H - N.R. 81. Clement Danes H - N.R. 81. Clement Danes H - N.R. 81. Clement Danes H - N.R.	16681 14864 13837 17509 7515 8559	8 16 3 4 6 4	3 7 2 5 1	1 - 1	1 1 1 1 10 1	111 111	1 1 -	111111	1 11 111	1 111 11				1 11111	111 111	2	3 1 3
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R. Saffron Hill H N.R. St. James Clerkeweil - N.R. Amwell Clerkenweil - N.R. Pentonville N.R. Pentonville N.R. Coawell-street - N.R. Old-street H - N.R. Whiteeross-atreet - N.R. Whiteeross-atreet - N.R. Whiteeross-atreet - N.R. Einsburg - N.R.	18671 107/06 6533 17516 19281 14778 17506 11541 18628 9217 7463	5 8 2 7 11 7 15 6 23 4	8 6 2 - 5 7 8 7 3 7	2 2 1 8 1 2 1	3 - 1 1 1 - 1 - 1 - 1				1	111					1 2 1	31122	3 1
Holborn Union Workhouse, Mitcham w.   St. Botolph H	-	4 3 2 2 6 -	18 1 1 -	11111111	2		111111	1111111	- 8			111111111		111111111	1118111	111011111	16

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse Establishment receiving inmates from other Districts than that in which it star Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vanahall; L. Lambeth; N. R. New River; E. L. East London and K. Caylkent Company.

R, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

The DEATHS registered in the Week include    Deaths or   Deaths from   2   2   3																		
REGISTRATION  Enume- rated Popu- H H H H H H H H H H H H H H H H H H H																		
				Deat			-		1	1 2	s fron	1			_		5	2
	_	Total BIRTHS.	Total DEATER.	Infants under l. Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enterio (or 'Typhoid) Fever	simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Puon Institutions.	Uncertified Cause of Peath.
EAST DISTRICTS.  well Shoreditch - N.K. & E.L. connard Shoreditch HL* - N.R. on New Town so - N.R. on Old Town - N.R. creston WH - N.R. & E.L.	7376 14967 29937 28036 46275	2 6 22 18 36	9 14 6 21	3 4 1 4	- 1 7 1 6	11111	1	11111	-	11111	1111	11111	11111	11111	11111	11111	- 2 5 - 11	11111
coey-road $H$ $E$ , $L$ .  n, Bethnal Green $WHL^*$ - $E$ , $L$ .  ch, Bethnal Green $E$ , $L$ .  n, Bethnal Green $E$ , $L$ .	29738 47932 29981 19810	27 32 22 13	8 25 4 2	2 9 2	8 -	1111	1 -	1111	1	1			1	1111	2 -	1 4 2	8 -	1111
Seds   E.L. & N.R.	22585 15478 17490 9718 6102	21 16 15 6 6	3 10 26 4 1	- 4 3 1	1 4 1 -	11111	1 1 1 -	11111	11111					11111	- 2 -	3 -	17 -	
eorge's North - E.L. ohn, St. George East W - E.L.	38747 8410	24 8	8 7	1	2 8	-	-	-	-	-	-	-	-	-		1	- 4	ī
well HH - E.L.& N.R.	10895 16107 82041	5 8 19	5 8	2 1 2	-		111	1		-	-	-	-		111	2	3	-
End Old Town West - E.L. End Old Town East WwwH-E.L.	87960 67653	35 41	11 18	- 6	3 2	-	2		- 1	-	-	-	-	1 1	ĩ	2	- 2	1
nley wwoH E.L. ar WWH E.L.	37074 64359 55077	26 47 34	11 23 12	3 3	9 2	111	1	111	-	2 1 -		111	-	1	1 1 1	1 2 1	8 6	-
SOUTH DISTRICTS.  aviour Southwark WH  1-road 8. & L.  1-road WH - 8. & L.  100-road WH - 1. & 8.  21. & 8.  21. & 8.  21. & 8.  22. & 1.  23. & 1.  24. & 8.  24. & 8.  25. & 1.  26. & 1.  27. & 1.  28. & 1.  2	13663 14999 21881 15953 21318 26672 59555 21623	9 8 18 13 9 18 39 16	5 6 15 8 4 5 26 10	3 4 3 3 2 1 7 4	2 1 1 1 4 -	1111111	414-		11111111	1 1 1 1 1	11111111	1111111	1111111		1111101	1 2 - 3 -	1	2
lave WH S. & L. her Market S. & L. fary Magdalen W S. ames Bermondsey - S. erhithe WH S. & K.	11956 16300 15669 54682 36024	15 20 16 23 33	18 4 8 7 15	1 1 3 1 6	8 - 2 - 5	11111	CITI	11111		1		11111		11111	1 1 2	5 1 2 1 3	16 - 4	11111
erico-road 1st H L. & S. erico-road 2nd H L. & S. beth Church 1st H - L. & S. beth Church 2nd WW - L. & S. unigton 1st S. & L. nington 2nd S. & L. ton www L. & S.	15195 16351 19876 39859 45232 35332 62837 19017	9 18 10 30 40 16 38 16	2 3 19 15 19 6 11 10	- 1 5 3 5 2 2 8	- 1 6 4 8 2 4 6	111111111	3		2		11111111	11111111	1111111	1	6 - 1	6 1 1	13 6	112
Battersea 8. t Battersea WwH 8. ham H 8. ddworth WHL 8. key 8. atham L.	54675 52587 86380 28004 13235 25553	40 42 32 29 6 28	15 17 13 7 2 9	8 8 8 2 - 2	1 5 4 1 1 2	111111	1	111111	141111	1 1	111111	11111	11111	11111	1 2 7	3 -	3 -	111111
L. & S.   L. & K.   L. & K.   L. & K.   L. & S.   L. & K.   L. & S.   L. &	5590 59104 71089 50810	2 34 62 43	2 34 25 13	4 10 4	12 5 2		1 2 -	1		1 8 -	1111	1	1 -	1111	2 2	1 2 2	16 1	1 1 2
Paul Deptford www K. Wicholas Deptford K. conwich West H K. conwich East WHH K.	76752 7901 21972 24608	66 4 13 13	26 1 6 26	8 - 1 6	3 9		5 - 2	4		1 - 2	1111	1111	1111	-	1 - 3	2 - 3	9	1 - 1
am H K. H K. isham WH K. mbam H L.	5048 21559 19865 26076	2 8 10 30	1 7 5 4	- 2 -	1 -	1 1 1 1	2 -	1111	1111	- 1	1111	1111		-	1	1 1	1 2	1111
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10930 17617 19048 14009 19241	11 14 21 7 29	4 5 6 3 13	1 1 2 1 2	1 - 3	11111	2 -	11111	11111	11111	1111	1			1	2 1	1 - 1	1
ropolitan Asylum Hospitals: Dartford w	=	111	-	1			=	-	1-1-					-	111	111		

e following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the Table by we:—

Marylebone Infirmary in Kensington Town sub-district.

Stepney Workhouse in Bromley sub-district.

Johorn Infirmary in Upper Holloway sub-district.

Johorn Infirmary in Upper Holloway sub-district.

Johorn Workhouse in Bromley sub-district.

Poplar & Stepney Sick Asylum "Westminnth of the Union Industrial School in West Battersea sub-district.

Westminnth Holton Workhouses outside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.

Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

Private Lunatic Asylums in which paupers are received.

TABLE 6 .- LONDON .- OUTER RING .- AREA; POPULATION: BIRTHS and DEATHS registered during t

				We	ek en	ding	Satur	day,	11th :	May,	1889	),						)
Regis-		Area			1	1			The D	DEATHS	regist	tered in	n the	Week	includ	e		
tration		in Acres,	Enume-			Dea	ths of				Death	s from	1					
District and	REGISTRATION	inclu-	rated	.s.	HS,	-	0 es		1	1		gb.	1	1	1		Public	Oauses
Sub-	SUB-DISTRICTS.	Tidal	Popu-	BERTHS.	DEATHS,	der ge.	aged 6			rer.	,	Whooping-cough				Cases.	Pub	
district	20210015.	Water	lation, 1881.	BL	DE	Infants under Year of Age.	S ag	DOK.	9	Searlet Fever.	eria	ning		@ fb.	000	t C	Deaths in	title
Num-		Fore-				ante	Persons a	Small-pox.	Measles,	riet	Diphtheria	hoop	Fever.	Diarrhoa	Violence.	Inquest	ath	Uncertified
00101		shore.				Int	Pel	Sm	Me	200	Di	W	FG	Di	Vi	In	a	- 0
LON	NDON-OUTER RING	370,924	950,957	842	354	76	83	-	15	1	7	6	5	-	13	26	42	
103	- COLER RING	010,024	000,957	082	909	10	-00	-	-	-		-		-	-		1	-
80:1	Carshalton ep	12228	21118	19	3	1	-	-	_	-	-	-	-	-	-	-	-	
2	Epsom (part of)* WwH	9971	10710	6	4	-	1	-	-	-	-	-	-	-	1	1	2	
37:1	Godstone (part of) * -	2754	1235	_	-			-	-	-	-	-	-	-	-	-	-	
38:1	Croydon WwHHL -	20851	101241	66	85	6	13				1	_, .		_	1	1	8	1
2	Mitcham w †	11697	17982	13	3	-	-	-	-		-	-	-		1	_1	-	-
89:1	Wimbledon HHH -	3220	15950	21	4	2	-	-	-	-	-	-	-	-,	~	-	1	
2 8	Kingston WHH	8849	36354	19	9	7	5 2		-	-	-	- 1			1	1	3	1
4	Esher (part of) * - Hampton H	6601 4578	9221 13589	8	3	1	1	-,	1		-	- }	-	-	1	1	-	
40:1	Richmond WH	2272	21302	8	5	3	-	-		-			-	-	-	2	-	
2	Mortlake	2911	12331	16	6	2	1	-	7	-	-	- 1	2	-		1	-	
41:1	Bromley (pt. of) * HH	15669	31142	22	6	-	1	-	-	-	-	- :	-	-		-	-	
42:1	Chishrst(pt.of)* WHH	14307	15844	8	7	-	2			-					1	2	5	
43;1	Bexiey H   Dartford (Ww, pts. of)*	18487	24134	12	6 -	3 -	1	-	-	-	-	-	-	-	1	-	-	-
124:1	Sunbury w	11055	11635	7	1	1	-	-	_	-	-	-	-	-		-	-	
2	Staines W	13277	12089	7	• 4	2	1 .	-	-	-	-	-	-	-	-	-	7	-
125;1	Hillingdon WHH -	6029	10802	8	1	-	1		-	-	-	-	-	-	-		1	
3	Uxbridge Hayes wHL	6178 14587	3225 11528	2 3	4	2	1	-	-	-		1			1	1	-	
126:1	Isleworth WHH -	7008	22727	16	.5	1	1			_	-	-		_	1	1	2	
2	Twickenham H	2477	12479	9	7	1	2	-	-	-	-	-	-	-	- :	1	-	-
8	Brentford HL Chiswick	4345 1340	27649 15975	29	15 2	2	8		-	-	-	-	1	-	-		2	
8	Acton wH	6088	15975 22876	27	21	4	4	-	5	-	1	-	-	-	1	1		
127:1	Harrow H	13809	12798	7	4	1	1	-	-	-		-	-	-	-	-	-	
2 3	Edgware H	6994	8749 97482	2	-	-	-	-	-		-	-	-	-	-	-	-	-
4	Willesden Hendon W	4383 8382	27453 10484	89	11 9	. 8	1		-	-					-	1	4	1
187:1	Bushey	9331	6621	9	1		1		-		-	-	_	_	-	-	1 1	
2	Watford (W, pt. of) -	7	*****	-		-	-	-	-	-	-	-	-	-	-	-	-	
128:1	South Mimms	15599	6391	10	1	-	-	-	-	-	-	-	-	-	- 1	-	-	
3	Barnet   Finchiey HL	5433 4688	10092	8	13	2,	1	-		-		1	-	-	1	2	1 5	
185:1	Hatfield (part of) * -	3306	583	-									-	. 1		-	0	
129:1	Hornsey H	3039	37078	29	13	2	7			_	-	1		. 1				
2	Tottenham H	4642	46456	48	83	6	4	-	-	- }	2	-	1	-	-	2	8	
8	Edmonton Ww ‡ - Enfield WH	7483 12658	23463 19104	22 25	1 5	4	2	•	5	-	-	-	-	-	-	2	-	•
8	Waltham Abbey	11017	5348	8	.1	1	2		-		-			-			1	-
6	Cheshunt	8490	1785	4	2	-:	-	-	-	-	-	-	-		-	-	-	-
186:1	Stratford   West Ham wwwwH\{\}-	882 7351	38606 101053	28 139	9	4	1	-		-	-	1	-	-	2	2	-	-
3	Leyton WwL	4372	32430	139	40 15	7 3	10 7		2	1	1	2	1	-	-	1	3	1
4	Waithamstow H -	6590	28869	86	11	5	2	-	-	-	1	-	-	-	-	_	-	
187:1	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9669 .	5	1	-	1	-	-	-	-	-	-	-	-	-	-	
189:1	Romford (part of) * W	6730	3411	19	-		-	•	-	-	-	-	-	-	-	-	-	•
2	Ilford	8493	7645	12 7	2 4	3	-	-	-	-	1	-	-		-	-	1.	1
3	Barking Town	4127	9203	8	4	1	2	-	-		-	-	-	-	-	-	-	-

<sup>•</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:—
30: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37: 1, the parishes of Warlingham and Farley in Godstone sub-district; 38: 3. Esher sub-district, except the parish of Esher (pop. 1285); 37: 1, the parish of Warlingham and Farley in Godstone sub-Knockholt (pop. 1818); 41: 2, Chischurat sub-district, except the parish of Chelsfield (pop. 947); 185: 1, the parish of Northaw in Hastfield also deaths in Workhouses belonging to the Outer Ring in 42. 2, Dartford, 137: 2, Watford, and 187: 1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winch nore Hill (see Table 5).

‡ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7.-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS 21d Rate of Mortality during the Week ending Saturday, 11th May, 1889.

					LRATE			The DE	ATHS	regi	stered	in t	he W	eek i	nelud	е	
	GREATER	Area in Acres,	Estimated	of Mor	TALITY	DEATHS	Deat	hs of			I	Death	s from	n		-	Publio
	LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fover.	Diarrhosa.	Violence.	Deaths in Pu
	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
R	EATER LONDON	448,334	5,642,015	15.3	1.7	1649	363	375	-	75	11	30	43	14	10	79	352
	INNER LONDON -	77,410	4,351,738	15'5	1.8	1295	287	292	-	60	10	23	37	9	10	66	310
	OUTER RING -	370,924	1,290,277	14 3	1.4	354	76	83	-	15	1	7	6	5	-	13	42

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700°522 square miles, which is equivalent to the area of a circle having a radius of 14'933 miles.

TABLE 3.-BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,604,651 Persons.

	Damwaran					ANNUAL	DE	ATHS	FROM	PRIN	ES.	ZYMO	
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURE Week endir		BIRTHS. Exclusive o	DEATHS. f Stillborn.	DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhogal Diseases
CALCUTTA	433,219	March	23	_	181	21.8	1	3	_	-	_	48	45+
BOMBAY	773,198	April :	16	262	501	28.7	25	36	?	?	?	182	36†
MADRAS	398,777	March :	22	-	-	-	-			-	-	-	1-1
PARIS	2,260.945	May	4	1276	984	22.6	3	31	1	43*	7	7	56
BRUSSELS with 8 Faubourgs.)	471,606	3)	4	296	173	19.1	1	2	-		· 2	1	12
AMSTERDAM -	403,083	10	4	245	187	24.3		-	7	2	-	-	-
ROTTERDAM .	197,723	23	4	118	97	25.4		5	-		. 1	-	~
THE HAGUE .	153,440	» :	4	100	.61	20.6	-		-	~	- 1	- 1	-
COPENHAGEN -	307,000	April	27	263	127	21.6	-		1	4	7	-	9
STOCKHOLM -	221,549	39	27	147	90	20.2	-	-	3	3*	2		1
CHRISTIANIA -	138,30)	May	4	69	42	15.8	-	-	-	4	4	-	2
ST. PETERSBURG	842,883	April	27		659	40.8		1	11	4	3	14	112
BBRLIN	1,470,582	1)	20	857	584	20.6	1	4	3	18	12	8.	42
HAMBURG(State)	575,276	10	27	447	254	23.0	-	-	2	13*	4	3	9
DRESDEN	264,196	29	27	184	120	23.6	. 5	-	-	3*	?	1	3
BRESLAU	313,451	May	4	241	167	27.8	-		~	3*	1		10
MUNICH	281,000		27	196	202	36°9	-	7	4	14*	-	1	19
VIENNA	811,434		27	618	406	26.0	-	6	3	6	2	4	26
PRAGUE	304,356	1 **	27	-	178	30.2	9	4	3	9	4	2 3	7 23
BUDA-PESTH -	452,907		27	338	279 88	32°0 28°9			- 3	1	1	1	23
TRIESTE	158,084		27										
ROME	401,044		23	243	220	28.5	4	3		13	1	6‡	5
TURIN (10 days)-	306,398		10	243	212	25.3	2	2	-	3	5	2	15
VENICE	153,375	99	27	94 .	. 88	29*9	1	5		~			9
CAIRO	374,838	99	18	377	367	51.1	6	1	-	2*	9	21	115
ALEXANDRIA -	231,396	19	18	158	208	46.9	2	13	-	3*	1	8	52
NEW YORK -	1,549,500	,	20	-1	868	29.2	-	13	57	44	14	- 5	16
BROOKLYB .	814,505	,	20	-	365	23.3	-	5	10	20	7	. 1	6
PHILADELPHIA .	1,040,245	39	20	-	423	21.2	-	2	2	10	2	8	3
BALTIMORE -	500,343	39	20	-	145	15°1	~	-	1	5	1	4	-
	1		1										

<sup>\*</sup> Including deaths from croup.
† Including 28 deaths from cholera in Calcutta, and 5 in Bombay.
‡ Including 3 deaths from malarial fever.

Table 9 .- METEOROLOGICAL OBSERVATIONS taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 117H May, 1889.

T		Ozone.		-	8.0	5.0	9.2	6.5	3.5	20.50	0.1	4.3	140	no tho	are aion and ing	air ced	phic	and	low the	The	now the	in.
Rain	in a Gauge	80.00	5 inches above the Ground.	-	in. 0.12	00.0	00.0	00.0	01.0			Sum 0.71		vel of the sea; no	discuss meter, un read	maximum of the air e deduced r's Hygro-	otogran	gher,"	tford, a	rong;	nent, si	veek to 29.61 in.
M-	G		age t ars. Gre	1				-				-	1	rel of 5	thermofrom a ne baro	temperature of thum of humidity are our by Glaisher's	the ph zontal	ng 1875 es "hi	at Dep	ectrome; s. st	Instrur is apply	e week
ı	Robinson's.		t ture from r Average of 16 Years.	-	Miles.	:		:	+1.4	-49	+72	Sum	95	ean ler	bulb duced for the	emper humid	ion of of hori	indicat	larket	ing El	shine 1	g of the
ers.	Robin		Horizontal Movement of the Air on each Day.		Miles.	:	:	:	265	203	322	Sum	9.4	ve tue m	the well the ctions dections deling 187	ulue of the received of the second of the se	a discussind that	that + i	Cattle M	f-register k; m. m	kes Sunder	d from 29.74 in. at the beginning of the w
emomete	the	-	Mean of 24 hourly obs.	-	10s. 0.1	0.0	0.0	0.0	4.0	0.0	7.0	:	653	eet aboo sea le	f correcars er	aily va	from 1868, 8	nind inind	oreign Market	n's sel	sell-Sto	at the
om An	sure on	Square Foot.	Least.	;	0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	22	s 159 to duce to on; 31	mome ution o enty y	ean d rature et bul	erived	ore ir	the F	homso	Campton day	74 in.
duced fr	Pres	1bg	Great-	-	9.1 1.6	1.4	7.5	1.5	3.4	7.0	63	:	21	neter 1 s to re M.; no	b ther upplication the two	tempe and w	that d	be be	erk of	rom T	the on ear	rom 28
Wind as deduced from Anemometers.	Osler's.	General Direction.	P.M.		ESE.	ENE. E. &	S. &.SSW.	SSW. & ESE.	E. ESE. &	WSW.	NW. WNW & WSW.	ble.	20	of the baron the reading	r, the dry bul alues by the nade during ing 1868 for the	rs, forming ty dew point of the dry	of the air is furing the 20	and 25 it will	of the jeties of the Proping and angula to two teet be	is derived f.	derived from	er decreased feased to 29.7
			A.W.		ENE. & E.	NE. & ENE.	E. & S.	SSW. & SW.	ri Ei	SW.& WSW.	NW.&NNW.	Variable.	19	The height of the cistern of the barometer is 139 feet above the mean leyel of correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 91, A.M.; noon; 31, P.M.; and 91, P.M. The means the corrections are usually taken at 91, A.M.; noon; 31, P.M.; and 91, P.M.; The means the corrections are usually taken at 91, A.M.; noon; 31, P.M.; and 91, P.M.; The means the corrections are usually taken at 91, A.M.; noon; 31, P.M.; and 91, P.M.; The means the corrections are usually taken at 91, A.M.; noon; 31, P.M.; and 91, P.M.; The means the corrections are usually taken at 91, A.M.; noon; 31, P.M.; and 91, P.M.; The means the corrections are usually taken at 91, A.M.; noon; 31, P.M.; and 91, P.M.; The means the corrections are usually taken at 91, A.M.; noon; 31, P.M.; and 91, P.M.; The means the corrections are usually taken at 91, A.M.; noon; 31, P.M.; and 91, P	Pervadings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, and converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1878 for the harometer, and chirify the twenty years ending 1888 for the harometer, and chirify the twenty wars ending 1888 for the the promometer. With the corrected mean reading of the day with the corrected mean reading of the day with the corrected mean reading the day.	and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glasshers Hypponenter.	mention according to the sir is that derived from a discussion of the photographic effects and at Greenwijel thring that of years ending 1898, and that of horizontal moyement of the cir from a discussion of the conserved with a second side of the circumstances.	In reading the columns 9 and statement of the property of the property fitting 1875.  In reading the columns 9 and statement of the property o	the surface, at the end of one of the jetties of the Povelsin Cattle Market at Depticon, and Cornersing are registered by the Clerk of the Market, under instructions from the Cornersing of Jondon:	The record of Electricity is derived from Thomson's self-registering Electrometer. The grands employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day. The results of all the meteorological observations are to be understood as applying to the	through of trem including to miningfur. The reaction 29.74 in at the beginning of the week to 29.61 in. The reacting of the barometer docreased from 29.74 in at the beginning of the week to 29.61 in. by 3h. r.m. on the 6th; increased to 29.70 by 9h. a.m. on the 8th; decreased to 29.40 in. by
63	Of the Water of the Thames	riord.	Low- est.		54.1	55.3	1.99	57.2	58.0	59.0	58.6	6.99	18	ght of has b	into into itograp e twen	mum 3). The	The average to records made at the sir from a	ing th	dings	cord or simploy	mbers gate di	ding of
ATUR	Of the Jo	at Dep	High.	0	22.4	0.10	58.0	4.82	0.62	₹.09	59.8	58.3	17	he hei ection bserve	readir verted he pho ing th	uning n the	he ave	lower he the	surfac ir reac	The recosymptosis on variable.	aggre	he reash.
TEMPERATURE		1	Lowest on the Grass.	0	44.2	41.3	44.8	40.4	41.0	49.3	47.1	44.1	16	T CON		ron trong	1 2 5					by T
	Of Radiation		High- est in Sun's Rays.	0	1.651	0.631	126.6	134.5	141.8	129.2	9.89	122.7	15		ınder ir		enerally	h smal	orning		morning.	
	Degree of Hu- midity	(Satu-	equals 100).		73	22	81	69	94	80	98	22	14	zů.	vith thu		fine till afternoon; generally	ds, wit	cloudy; showery in early morning; thunder with heavy rain at 43h, P.M.	rnoom.	ty in n	
ween	int re.		Least.	0	1.3	0.0	0.0	1.3	0.0	7.0	0.0	₹.0	13	MARK	wery v	cloud.	aftern	terwar y preva	in er	till afte norning	nd mis	
nce bet	Dew Po		Great.	0	16.2	18.0	12.2	17.5	16.5	14.0	9.8	14.9	12	L RE	g; sho	e light	fine till	fine at	howery with h	visible gin in r	Dull a	
Differ	and Dew Point Temperature.		Mean daily value.	. 0	9.8	0.8	2.2	10.5	2.2	0.9	4.1	2.5	11	GENERAL REMARKS	mornin	Very fine, with a little light cloud.	Pa	rning;	ndy; sl	uar nalo occasionally visible till after. Generally overcast; rain in morning.	ghout.	
	Of the Dew Point.		Mean daily value.	0	53.1	52.9	52.0	46.7	53.5	49.6	45.9	50.5	10	GE	fine in and ev	ne, with	y cloud fiterway	in mo	ly clot	ly over	t throu	
URE.			from Average of co years.	0	+12.0	+10.6	7.4	+ 6.3	+10.5	+ 4.5	- 1.4	1.4 +	6		Very fine in morning; showery with thunder in afternoon and evening; fine at night.	Very fi	Partially cloudy and overcast afterwards.	Cloudy in morning; fine afterwards, with small amounts of light cloud generally prevaled. Brilland solar halo with markelis in afternoon.	nicht. Generally cloudy; showery in early nightuing and thunder with heavy rain at	General	Overcast throughout. Dull and misty in Frequent rain in afternoon and evening.	
	ir.		Mean daily value.	,	2.19	6.09	2.19	6.99	0.19	55.6	20.0	21.1	00	above rizon, ours.	15.0	12.1	15.1	15.2	15.2	15.3	15.3	Sum 106.2
TEMPERAT	Of the Air.		Daily Range.	. 0	28.2	25.4	17.3	18.1	23.6	16.5	6.5	18.8	7	ed Sun e, Hou		77	7	H		ř	15	
	-		Low.	- 0	8.64	8.8	8.64	1.64	49.2	49.3	47.7	49.1	9	Registered Sun above Sunshine, Horizon, in hours, in hours.	0.6	10.3	6.5	7.5	3.5	1.0	0.0	Sum 37.5
			High-	- 0	73.3	74.3	1.49	8.49	78.1	8.29	54.2	6.49	20					ion (				
BARO-	Mean daily reading	rected	and reduced to \$220 Fahren-heit).	in	199.63	53.65	29.644	29.688	612.67	919.63	29.600	29.62	4	ELECTRICITY. (For explanation of symbols, see Note.)				was not in action throughout the week.				-
	Phases	of the	A100H.		Greatest Dec. N.	:		First Qr.	:	:	•	•	93	Erec (For ex			i	was no				
	6	AWD			•	9		00	6	01	=======================================	•	ol.		10	60		00	6	10	= .	
	1889.	MONTH AND	DAT.	MAY.	SUN.	Mon.	TUES.	WED.	THURS.	FRI.	SAT.	MEANS	No. of Col.	DATE MAY.	SONDAY	MONDAY	TURBDAY .	WEDNESDAY	THURSDAY.	FRIDAY .	SATUEDAY.	

OFFICIAL COPY.

### WEEKLY RETURN

#### LONDON DEATHS AND BIRTHS

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 20. 1889. Vol. L.]

WEEK ENDING SATURDAY, MAY 18.

Price 11d.

General Register Office, Somerset House, 20th May, 1889.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.2 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

pottoury arrang	1	Weeks	ending	1				Weeks	ending	
Towns.		May 4.	May 11.	May 18.	Towns.		Apr.   27.	May 4.	May 11.	May 18.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull - Leeds - Leicester* -	18·8 18·7 23·2 20·0 18·4 12·4 18·0 17·6 15·4 22·5 24·2 24·6	19·8 16·3 32·3 28·7 18·4 22·3 18·0 19·4 18·5 25·7 21·4 19·6 25·3	$\begin{array}{c} 20 \cdot 4 \\ 18 \cdot 6 \\ 25 \cdot 0 \\ 28 \cdot 7 \\ 23 \cdot 1 \\ 15 \cdot 9 \\ 17 \cdot 1 \\ 14 \cdot 8 \\ 16 \cdot 4 \\ 32 \cdot 2 \\ 19 \cdot 7 \\ 23 \cdot 6 \\ 23 \cdot 6 \end{array}$	18·6 22·4 22·7 20·0 15·9 15·2	Oldham - Plymouth - Portsmouth Preston - Salford* - Sheffield - Sunderland	e*	17·5 28·5 25·3 27·1 15·8 19·4 30·0 16·3 38·6 19·8 19·1 14·0	16.6 28.4 23.7 21.0 20.6 29.3 30.0 16.6 29.5 19.2 22.3 19.8	$\begin{array}{c} 19\cdot 1 \\ 15\cdot 5 \\ 31\cdot 5 \\ 24\cdot 0 \\ 22\cdot 1 \\ 17\cdot 1 \\ 25\cdot 3 \\ 22\cdot 0 \\ 17\cdot 4 \\ 31\cdot 5 \\ 21\cdot 2 \\ 19\cdot 5 \\ 17\cdot 5 \\ 22\cdot 1 \end{array}$	$\begin{array}{c} 14\cdot 8 \\ 28\cdot 2 \\ 23\cdot 7 \\ 11\cdot 0 \\ 14\cdot 5 \\ 25\cdot 7 \\ 20\cdot 7 \\ 14\cdot 8 \\ 38\cdot 1 \\ 18\cdot 7 \\ 16\cdot 7 \\ 19\cdot 8 \end{array}$

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.3 in Leeds and in Sheffield, 1.4 in Bristol and in Bolton, 1.9 in Halifax, 2.9 in Manchester, 3.0 in Hull, and 5.0 in Preston; from scarlet fever, 1.1 in Salford, 1·3 in Plymouth, and 1·6 in Sheffield; and from whooping-cough, 1·9 in Cardiff, 2·2 in Oldham, and 5·5 in Preston. The death-rate from "fever" did not reach 1.0 in any of the twenty-eight towns. The 37 deaths from diphtheria in these towns included 24 in London, 4 in Salford, 2 in Birmingham, 2 in Leeds, and 2 in Newcastle-upon-Tyne. Small-pox caused one death in Bristol, but not one in any other of the twenty-eight great towns.

LONDON.

In LONDON 2648 BIRTHS and 1231 DEATHS were registered. Allowing for increase of population, the births were 10, and the deaths 376, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the six preceding weeks from 18.8 to 15.5, further fell last week to 14.8, and was lower than in any week since July last. During the first seven weeks of the current quarter the death rate averaged 16.9 per 1000, and was 3.6 below the mean rate in the corresponding periods of the ten years 1879-88.

The 1231 deaths included 53 from measles, 7 from scarlet fever, 24 from diphtheria, 36 from whooping-cough, 7 from enteric fever, 1 from an ill-defined

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

form of continued fever, 14 from diarrhoea and dysentery, and not one from smallpox, typhus, or cholera; thus, 142 deaths were referred to these diseases, being

78 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 21; no small-pox patient was under treatment at the end of the week in the Metropolitan Asylum Hospitals, or in the Highgate Small-pox Hospital. The deaths from measles, which had been 68 and 60 in the two preceding weeks, further declined last week to 53, and were 10 below the corrected average; 4 belonged to Marylebone, 5 to Islington, 5 to Bethnal Green, 4 to Newington, and 7 to Greenwich sanitary areas. The fatal cases of scarlet fever, which had been 15 and 10 in the two previous weeks, further declined last week to 7, and were 17 below the corrected average. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 610 searlet fever patients, against 617 and 610 on the two preceding Saturdays; 65 cases were admitted to these hospitals during the week, against 70 and 58 in the two previous weeks. The deaths from diphtheria, which had been 29, 21, and 23 in the three preceding weeks, were last week 24, and exceeded the corrected average by 10; 2 in Victoria Hospital belonged to Chelsea, 2 to Pancras, 2 (in Stoke Newington) to Hackney, 2 to Bethnal Green, 2 to Poplar, 3 (including 2 in Evelina Hospital) to St. George Southwark, and 2 to Newington sanitary areas. The 36 fatal cases of whooping-cough showed a further decline from recent weekly numbers, and were 34 below the corrected average; 4 belonged to Pancras, 5 to Islington, and 4 to Newington sanitary areas. The deaths to Paneras, 5 to Islington, and 4 to Newington sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 18, 12, and 10 in the three preceding weeks, rose again last week to 14, and were one below the corrected average; 10 were of infants aged under one year.

The 7 deaths from enteric fever showed an increase upon the exceptionally low numbers in recent weeks, but were 4 below the corrected average; 4 belonged to the sanitary areas in South London. The death of a child, aged 2 years, was indefinitely referred to "infantile remittent fever, 12 days." The Metropolitan Asylum Hospitals contained 12 cases of enteric fever and 2 of typhus on Saturday last; 2 cases of enteric fever were admitted during the week, against 2 and 1 in the

two previous weeks.

The death of a child, aged 5 years, in University College Hospital, admitted from Bermondsey, was referred, after inquest, to "hydrophobia following the bite

of a dog."

The deaths referred to diseases of the respiratory organs, which had been 305 242, and 213 in the three preceding weeks, were last week 217, and were 99

below the corrected average.

Different forms of violence caused 51 deaths; 47 were the result of negligence or accident, among which were 19 from fractures and contusions, 4 from burns and scalds, 13 from drowning, and 7 of infants under one year of age from suffocation. The 19 deaths from fractures and contusions were thus caused:-6 by accidents from vehicles in the streets; 2 by accidents on railways; 3 by injuries from fall of lift, of iron column, and of ladder; 1 by fall from window; 2 by fall down stairs; 1 by fall from fence; 2 by fall in room; 1 by fall, the nature of which was not stated; and 1 by fracture, the cause of which was not stated. An inquest was held in each of these 19 cases except the last. Four cases of suicide were registered.

GREATER LONDON.

In Greater London 3435 births and 1509 deaths were registered, corresponding to annual rates of 31.8 and 14.0 per 1000 of the estimated population. In the Outer Ring 8 deaths from measles and 8 from whooping-cough were registered. Three fatal cases of scarlet fever and 2 of "fever" were returned in West Ham sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.72 ins.; the lowest reading was 29.60 ins. at the beginning of the week, and the highest 29.72 ins.; the lowest reading was 29.60 ins. at the beginning of the week, and the highest 29.82 ins. on Thursday morning. The mean temperature of the air was 54°0, and 1°0 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Sunday and on Saturday, whereas it showed an excess on each of the other days of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 7.5 miles per hour, which was 2.9 miles below the average in the corresponding weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0.19 of an inch. The duration of registered bright sunshine in the week was 27.7 hours, against 25.1 hours at Glynde Place, Lowes.

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		891447	ANN BORUUGHS.	5	28 TOWNS	LONDON BRIGHTON PORTEMOUTH	NORWICH - PLYMOUTH - BRISTOL -	BIRMINGHAM	EICESTER *	DERBY	LIVERPOOL .	TER	BLACKBURN - PRESTON -	HUDDEBSFIELI Halifax -	* A	A.M.	EDINBURGH - GLASGOW - DUBLIM

TABLE 2. BINTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 18th May, 1889.

Table 2. LONDON.—Births and Deaths Registered in the Twentieth Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births Males Females .	2266 1185 1081	2296 1195 1101	2463 1285 1178	2462 1233 1229	2407 1211 1156	2556 1279 1277	2391 1222 1169	2690 1340 1350	2483 1242 1241	2364 1256 1108	2658·3 1357·4 1300·9	2648 1358 1290
Total Deaths  Males Females .	1532 831 701	1297 653 644	1488 749 789	1419 710 709	1530 793 787	1536 801 735	1554 811 743	1379 706 673	1536 819 717	754 715	1607·3 831·7 775·6	1231 631 600

<sup>•</sup> The numbers in this column are the average weekly numbers in the twentieth weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population.

TABLE 3. L()NI)()N.-BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LONDON1	) IRI H	, DE.	Alho,	anu	SIEIE	OHOLO	)G1 11	i the	Last	LHIK	LEEN	WEEL	K131
	Feb. 23.	Mar.	Mar. 9.	Mar. 16.	Mar. 23.	Mar. 30.	Apr. 6.	Apr. 13.	Apr. 20.	Apr. 27.	May 4.	May 11.	May 18.
TOTAL Births	2695	2609	2698	2699	2670	2808	2676	2509	2488	2522	2712	2565	2648
TOTAL Deaths	1567	1472	1637	1638	1554	1476	1572	1493	1426	1462	1386	1295	1231
Ages at 0-20 years - 20-40 , - 40-60 , - 60-80 , - at 80 years & upwds.	666 202 278 337 84	681 153 254 314 70	695 175 309 391 67	719 188 298 357 76	666 165 274 366 83	642 200 274 287 73	729 175 287 305 76	671 183 266 310 63	670 174 214 299 69	708 171 256 264 63	626 184 266 258 52	577 175 251 245 47	571 169 205 232 54
(ar 30 years to up was.)  (Under 1 year - 1-5 - 5-20	344 238 84	349 257 75	322 277 96	362 249 108	317 276 73	316 242 84	368 261 100	322 251 98	299 279 92	361 273 74	309 246 71	287 218 72	267 225 79
Deaths from Small-pox ,, Measles	70	67	76	60	84	56	74	72	70	65	68	60	53
", Scarlet fever - ", Diphtheria - ", Whooping-cough ", Typhus -	14 27 31	12 25 31	16 20 29	16 31 37	6 23 42	11 18 51	15 26 49	13 36 43	10 22 51	9 29 56	15 21 55	10 23 37	7 24 36
" " Enteric fever - " SimpleContafever	8	6	3	6	4	8	9	10	6	3	5 2	5 4	7
Dysentery -}	16	18	15	14	18	9	17	11	10	18	12	10	14
,, all the above- mentioned Diseases	167	160	163	166	177	153	190	187	169	181	178	149	142
,, Dis. of Respira- tory System	362 156	362 127	402	396 162	378 139	332 153	364 170	294 152	300	305	242	213	217
", ", Pithisis - ", Dis. of Circula-) tory System	130	116	150	157	127	153	146	135	128 98	164	148	125 134	137 97
Violent Deaths Inquest Cases Deaths in Public Institutions	65 114 353	57 118 353	52 114 895	63 127 378	53 111 866	52 125 354	69 130 340	68 130 325	57 111 315	69 116 331	55 107 315	66 125 310	51 85 311
TEMPERATURE OF THE AIR Mean Mean of Highest readings - Mean of Lowest readings -	41·4 47·3 36·2	32·8 37·7 29·8	37·4 46·3 28·9	38·8 46·8 31·2	42·5 50·3 85·7	45·6 54·6 38·6	43.5 51.8 37.4	43·5 50·4 38·6	6.5 55.3 39.8	47·5 57·8 39·1	50·8 61·9 41·5	57·7 67·9 49·1	54·0 64·5 46·7
Humidity of the Air	81 0·05	83	75	80	80 0·53	81	78	90	84 0·10	80 0·75	79	77	85 0·19
Registered Sunshine (in hours)	14.9	7.6	26.0	14.8	18.4	14.3	21.3	8.6	12.5	31.3	39.8	37.5	27.7

## METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R. S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esc., F.R.A.S., Liverpool: H.O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderlaud; and Ww. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the

CAUSES OF DEATH.	and or the analysis	e sections			7	'WE	NTI	ETH	T W	reel	of the Year 1889.									
All CAUSES - 1907'S 1231 207 225 73 1602 205 2225 54  Small- Unreachestal; 207 7 7 5 2 1 -   Diseases of Circulatory; 201 1 1 1 -   Through the continuation of the contin		ara libe	5	In	the V	Veek 18th	end May	ing 1889	).	-	ř	the	5	In	the	Wee 18th	k en May	ding		
All CAUSES - 1907'S 1231 207 225 73 1602 205 2225 54  Small- Unreachestal; 207 7 7 5 2 1 -   Diseases of Circulatory; 201 1 1 1 -   Through the continuation of the contin		for 10 year			aths	of Pe	rson					s for			aths	of Pe	rson			
All CAUSES - 1907'S 1231 207 225 73 1602 205 2225 54  Small- Unreachestal; 207 7 7 5 2 1 -   Diseases of Circulatory; 201 1 1 1 -   Through the continuation of the contin		the 188.	-			e Ag	. 1	: 1	10			the the -88.*	-				. 1	0 1	0	-
All CAUSES - 1907'S 1231 207 225 73 1602 205 2225 54  Small- Unreachestal; 207 7 7 5 2 1 -   Diseases of Circulatory; 201 1 1 1 -   Through the continuation of the contin	CAUSES OF DEATH.	Ave iks of 1879-	90				der 4	der 6	H	S.	CAUSES OF DEATH.	A Ve sks of 1879	wi n				ider 4		24	3.
All CAUSES - 1807-3   1231 297 225 79 100 205 205 6	Ö	We	Ag				nd un	nd un	un pu	ward		ected Wee					un pu		un pu	Ward
All CAUSES		Corr 20th	ALL	0-1.	1-5.	5-2(	20 an	40 an	60 ar	dn ap	er til ner	Corr 20th	ALL	0-1	1-5.	5-2	20 an	40 ax	60 aı	un
Vaccinated   Poor   P				1	Ī	1	160	205	230	54								1	1	
Smalle   Continued   Continu		1007 3	1201								Diseases of Organs of Special Sense † -	2.1	1	-		_	-	-	1	-
Measiles	Small- Unvaccinated	20.5	-	-	-	-	-	-	-	_	Diseases of Circulatory	101.6	97	-	2	6	16	32	88	3
Secric   Favor   1.1	(No Statement	63.1	53				-	-	-	-		1			-	-		-		
Typhus	Scarlet Fever	23*7		-	5		-	-	-		Bronchitts	171'3		18	25	- 1			31	11 2
Tathogone-cough				-	-	-	-	-	-	-	Pleurisy Other Diseases of Respi-	7.5	5	1		-	1	8	-	-
Diphtheria	Influenza		36	ŧ 1			-	-	-	-	ratory System J		-				_			_
Simple Continued and   24	Diphtheria			-			-	-	-	-	Quinsy, Sore Throat t -	1.8	3	-		ī	-	ī	-	-
Enterie Fever	Simple Continued and } Ill-defined Fever -}				-	-	-	-	1	-	Enteritis	7.8	9	-	-		3 4		-	
Diseases of Lymphatic   14   1   1   1   1   1   1   1   1			7	ŧ		2 -	4	1	-	-	Other Diseases of					1				_
Gianders   Cowport and Effects of to   Cowport and Effects of to   Cowport and Effects of to   Cowport and Effects of to   Cowport and Effects of to   Cowport and Effects of to   Cowport and Effects of to   Cowport and Effects of to   Cowport and Effects of to   Cowport and Effects of to   Cowport and Effects of to   Cowport and Effects of to   Cowport and Effects of to   Cowport and Effects of to   Cowport and Effects of the Effects o	Diarrhœa, Dysentery -			1			1	-		-	Diseases of Lymphetic	-		-	-			-		
Cowpox and Effects of Vaccratal Affections	Hydrophobia	0.1	1 -	-	-	_	-	-	-	-	System & of Ductless Glands †	2.3	1	-	-		F	-	1	-
Vaccination f	Cowpox and Effects of \			-	-	-	-	-	-		Diseases of Urinary	0017	07		-		0	19	1.5	
Erysipelas	Vaccination † 5		3	3	-	-	-	-	-	-	System	39.1	31	L		2	-	12	-	
Purperal Fever	Erysipelas			-	-	2	-	-				5.2	2	-	-	-	1	L	-	
Thrush -   1'7		5.8	4	-		-	3	1.	-	1	Accidents of Childbirth			-	-	1	1	-	-	1
Thrush	Other Zymotic Diseases †		-	-	-	-	-	-	-	-	Diseases of Locomotive	8.1	10	2	1	4	91	1	-	-
Starvation, Want of   1'2			1	1	-	-	-	-	-	1				-	-	-			-	1
Rreast-milk †		0.3	-	-	-	-		-		-	Diseases of Integumen- tary System -	3.9	4	-	-		-	-	4	
Alcoholism   3.5	Starvation, Want of Breast-milk † -	1'2	-	1-	-	-	-	-	-	-	WIOTHNIA DRIVING	R								
Rheumatic   Fever,   Rheumatism of Heartf   S   2   5   -   1   3   1   -		3.2	7		-	-	1	6	-	-		A								
Rheumatism † - 2.7	Rheumatic Fever,	8.2	5	1 -	-	1	3	1	-		Fracture and Contusion	- 0.2	-	-	4	4	-		-	1
Gott	Rheumatism †	1			-						Cut, Stab Burn and Scald -	- 6.4	1			=	-	1	-	74 6
Tabes Mesenterica - 22.0 19 10 5 2 2		3.8			1 6	1		1			Drowning Suffocation	- 7.1	7					4	-	1.1.
Tubercular Meningitis - 34'9 24 10 10 4 (HOMICIDE.)  Phthisis 191'7 187 1 6 9 63 46 12 - Murder & Manslaughter 1'9	Cancer			_		1		3	19		Otherwise	2.7		- -			- -		-	
Serofula, Tuberculosis - 18'3   19   4   4   6   3   1   - 1	Tubercular Meningitis -	34'9	24	1	0 10	4	-	-		٠.	(HOMICIDE.)	110								
Other Constitutional   Diseases †     12·2   6   - 1   - 1   2   2   -		1		_					-	_		1.9	-	-			-			-
Promature Birth 88'1 51 51	Other Constitutional		6		- 1		-1		2 :	2	(SUICIDE.)	- 010								
Congenital Malforma   1.3   7   7	Premature Birth	88.1	51		1						Cut, Stab	- 1.3				-   -				
tions	Ateleotasis +	2.4		_		-		-   .			Drowning Hanging	- 1·1 2·1	1				-   1	1		-
Apoplexy 45'1 27 1 7 16 3 Hanging 0'0	tions	5 10		-		-	-   -	-   -		1		- 11	-	-		-	-			-
Apoplexy 45'1 27 1 7 16 3 Hanging 9'4 7 - 2 1 1 2 1 Other Diseases of Grain ) 014 7 - 2 1 1 2 1 Other Diseases of Grain ) 044 7 - 2 - 2			-	-		-		-	- -	-	(Execution.)									
Convulsions 49'5 44 87 7 Other Diseases of Grain 1 014 71 0 00 4 6 7 10 6 0 THER CAUSES † 54'9 36 28 6 2 -		1		_		2		_	_		Hanging	- 0.0					-			1
Could Diseases of Brain   Otal Man   O   O   4   C   M   10   C	Convulsions	- 49°5	4	4 8		- 1	-	-	-	-	OTHER CAUSES † -	- 54.9	36	2	8	6 -	-		- 2	-
and Nervous System (	and Nervous System	91.4	7	1	9 2	0	4	G	7 1	9	6			1						

A 58256.-7.

<sup>•</sup> The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9.046 per cent. for increase of population.

1 As the ten years average could not be correctly ascertained, the average for the seven years 1882-8 has been used.

1 Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

1 The ordinate at inquasts is often insufficient to enable the Coroner to certify whether a violent death by the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarles during the Week ending

	1					_	The	D=4	THAT	OFICE	ered i	n the	Wes				e e u	7
				Deat	hs of		AHO	D 8 8	140.		he fro							
REGISTRATION SUB-DISTRICTS.	Foru- lation, 1881	Total Birres	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 S	Small-por.	Messles.	Scarlet Fever.	Diphtheria.	Whooping-sough.	Typhus.	Enteris (or Typhoid) Fever.	Simple con-	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
LONDON	3,815,704	2648	1231	267	286	_	53	7	24	36	-	7	1_	14	51	85	311	10
West Districts  North Districts  Central Districts  East Districts  South Districts  Metropolitan Astlum Pospitals outside Registration London  West Districts.	669,688 905,947 282,238 692,788 1,265,148	411 580 161 503 993	227 292 87 210 415	88 69 20 57 83	65 56 21 38 106	-	6 11 2 9 25 -	2 2 -	5 10 - 2 7 -	6 14 2 4 10 -	-	2 1 - 4 -	1	3 4 2 4 1 -	6 11 2 14 18	10 22 5 26 22	67 71 34 64 75	2 1 - 7 -
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69898 37330	46	19	6 2	5	-	-	=	ī	1 - 2	-	1 -	-	=	1	2	10 15	-
Rensington Town Ww - W.M. Brompton H - W.M. & C.	120141 43010 7 <i>5</i> 99	69 9	43	3	18	-	-	-	-	-	-	-	-	-	-	-	2	-
St. Paul Hammersmith H W.M. & G.J. Fulham Wess - W.M. & C. Chelses South HHH - C. Chelses North-west WHHHHH C.	64340 42900 0396 21925	72 61 21 20	28 80 7 12	7 6 2 2	10 7 -		1	1	3	1			-	1	1 1 1 100	3 1	3 11 5 5	
May Fair WW G.J. Belgrave WHHH C. St. John Westminster HHH - C. St. Margaret Westminster H - C.	32807 30353 59220 35496 24679	15 8 23 21 14	5 13 18 8 9	1 5 1 1	5 3 2 5	11.12	1	1111	1	1		1111	-		1	1	3 1	1 - 1
St. James Westminster WHH N.R. &G.J. St. Anne Soho HHHHHHHH - N.R. & N.R. & N. R. & N.	29941 16608	10	6	ī	2 -	-	2 ~	-	-	-	-	ī	-	2	-	-	2	-
All Souls Marylebone HHHH - W.M. Cavendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone HH G.J. & W.M. Christohuroh Marylebone Ht - W.M. St. John Marylebone R - W.M. Hampstead WwwHHHH N.R. & W.M.	26759 14391 24809 21118 33700 33633 45452	12 1 16 31 14 14 37	14 4 8 5 9 8	1 3 1 2 6	3 1 2 3 2 2		1 2	2	1	1 - 1			-	1	3	1 1 1 1 1 2	8 - 2 2 - 1 3	1
Regent's Park Paneras H - W.M.	01 401	26 7 10 28 16 56	4 21 8 7 6 32 33	1 1 8 8 1 8	1 4 1 7 7		1 1 -		1	1 1 2 1 2 0				1	1 2 1 2 - 1	1 2 2 1 1 -	17 3 5 9	111111
Islington South-west HH - N.R. Islington South-east - N.R. Highbury H - N.R. Stoke Newington H - N.R.	67946 100976 61825 52048 22781	55 53 86 25	31 17 11 12	5 4 4 8	8 8 1 3		3 -	-	- 2	1 1 1	11,11	1	1	1	1 1 -	2 4 8 2		1117
Stamford Hill  West Hackney II - N.R.  Hackney Wesself - E.L. South linekney - E.L.  CENTRAL DISTRICTS.	9277 87610 76911 39883	15 24 51 87	2 4 25 12	2 4 5	3	-	ī	-	3 -	1	-	-	==	=		ī	9	1111
St. George Bloomsbury - N.R.	17508 7515 8559	9 7 8 8 1 2	3 8 1 4 1 7 3	1 1 - 2	1 1 3	1111111	1	111111				111 111		2 -		1	5 - 9 - 80	111111
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R. Saffron Itill H N.R. St. James Clerkenweil - N.R. Amwell Clerkenweil - N.R. Pentonville N.R. Goswell-street N.R. Old-street H - N.R. City-road HHL N.R. Whiteeross-street - N.R. Finsbury - N.R. Holborn Union Workhouse, Mitcham. w.	18671 10706 6583 17516 19281 14773 17506 11541 18628 9217 7468	9 4 3 18 7 16 10 12 25 8 3	9 3 2 2 5 4 4 1 9 2 2 -	3 - 1 2 1 3 - 4	1 1 2 -		1			1					1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 5 2	
St. Botolph H - N.K.&E.     Cripplegate N.R.     St. Sepulchre H - N.R.     St. Bride W N.R.     Allhallows Barking - N.R.     Broad Street H N.R.	. 7198 . 5358 . 8396 . 13666	8 2 2 1 1	13 - 2 -	1 101 1 1 1	2 -	111111	11111		11111			111111		111111	1	2 -	13	1 1 1 1 0 0

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therain, namely: W-Workhouse H-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving immates from other Districts than that in which it stands ree note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts 1-G.J. signifies Grand Junction Company; W.M. West Middlerex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East London; and K. the Kent Company.

DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

R, DIPHTHERIA, WHOOPING day, the 18th May, 1889.	-cough,	FEVE	GR, D	IARI	RHŒ.	A, V	IOLE	NCE,	. &c.	., ге	giste	reu	III E	acu	500	-DIG	IMIC	
			1				The	DEAT	THS T	egister	red in	the	Week	incl	ade			
	Enume-			Death	B of	,			I	eaths	from	1					9	20
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Age,	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Publi	Uncertified Cause of Loath.
		-		4	F. P.	- S	7	ň	<u>a</u>	<u>×</u>	T	3	2	n n	^	-	-	2
East Districts. N.R. & E.L. swall Shoreditch $HL^{\psi}$ , N.R. & E.L. conard Shoreditch $HL^{\psi}$ , N.R. on New Town $w$ , N.R. on Old Town $v$ , N.R. & E.L. erston $WH$ , N.R. & E.L.	7376 14967 29987 26086 46275	5 11 19 16 41	1 4 10 8 16	1 1 4 1 5	1 3 - 2	1 1 1 1 1		11111	1		11111	1111	11111	1	1	1 2	3 5 1	11111
ney-road H-  a, Bethnal Green WHL*  E.L.  Bethnal Green -  Bethnal Green -  E.L.  E.L.	29738 47932 29981 19810	24 24 17 16	5 25 7 5	1 7 2 2	6 2 1	1111	2 1 2			1		1 1 1 1	1111	1	11111	1	13	1111
18elds	22585 15473 17490 9713 6102	18 28 13 5	3 9 14 3 2	2 4 8 -	1	11111	1 2 -	1	1111	1111		11111	1111	1 -	1	1 1 3	11	11111
eorge's North E.L. ohn, St. George East W - E.L.	88747 8410	81	10 5	5 1	1 2	-	-	-	-	-	-	-	-	-	1 -	1	5	-
well <i>HH</i> E.L.& N.R E.L. & Shouse E.L.	10895 16107 32041	14 12 22	9 3 9	1 2.	2		ì			1 -	-	1 1 1	-		3 -	2 2	-	111
End Old Town West - E.L. End Old Town East WwwH-E.L.	37960 67653	27 54	17	14	2 2		-	ī	-	-	-	-	-	-	1	2	5	-
nley word E.L. ar WWH E.L.	37074 64359 55077	18 46 87	21 17	6 4	1 1 3	-		111	1	1 -	1 1 1	1 1 1		i	1 2	1 3	7 2	
SOUTH DISTRICTS.  tariour Southwark WH  tariour Southwark - S.  t-road S. & L.  tond S. & L.  tond S. & L.  tond L. & S.  ty Newington - S. & L.  dary Newington - L. & S.	14999 21381 15958 21318	9 15 17 15 17 28 56 18	3 9 7 7 4 12 18 15	2 1 2 2 1 4 8 3	1 1 2 4 3 4	1111111	3 - 1 2 1	1	2 1 1	1 . 8	1111111	1111111	1111111		1	1 - 2	3 - 2 -	1 2 -
Dlave $WH$ S. & L. ther Market S. & L. Mary Magdalen $W$ - S. tames Bermondsey - S. 19rhithe $WH$ S. & K.	16300 15669 54682	10 8 8 37 30	14 5 - 10 18	1 3	1 1 3	11111	1 1 2	11111	1 -	1	11111	1		1	1 2	1 3	12 - 3	11111
Cerloo-road 1st   H -   L. & S.	16351 19876 39859 45232 35832	10 12 13 35 39 15 46 17	6 8 18 15 10 10 20 4	1 - 5 2 4 2 3 -	2 8 2 8 2 2	1111111	1	111111	2	1 1 1 1 1 1 1		1		111111	1	3	13 10	1
Battersea	54675 52587 36380 28004 18235 25553	46 40 19 31 11 28	11 20 9 9 5 13	1 6 - 2 . 3	2 7 5 3 5	111111	1	111111	11111	1	11111	11111	111111	11111	111111	1	3 4 -	111111
wich L. & S  aberwell WwL*L* - S. & L  kham W S., L., & K  George Camberwell - L. & S	89104	3 50 59 40	1 29 20 6	4 4 8	1 7 5 -	1	1 1			1 1 -	1111	1 -		-	1 1	1 1	10	2 -
Paul Deptford www K. Nicholas Deptford K. enwich West H K. enwich East WHH K.	76752 7901 21972 24608	61 8 15 24	23 2 2 18	1 - 2	8	111	5 - 2	1 -				1 1 1	1111		3	3 -	9	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	19800	1 10 15 35	7 2 10	1 1 4	2 1		2 -	1111	1111	1116	1111	1111	1111		1111	11111	1	
ariton H K. olwich Dockyard K. olwich Arsenal HH K. mstead, West H K. mstead, East W K.	10980 17617 19048 14009 19241	10 6 6 23	2 3 6 8 6	1 2 2 2 2	1 1 1	- 1 1 1 1		11111		11811	11111		1.81.1	11111	1	1	- 2	-
tropolitan Asylum Hospitals:			-			=	=	111						-	-		-	17.

25 tollowing Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the fe Table by w:—

Marylebone Infirmary in Kensington Town sub-district.

General London Sick Asylum in Tottennam Court-road sub-district.

Holton infirmary in Upper Hollows sub-district.

London City Workhouse:

Holton New Town sub-district.

Mile End Old Town Eastern sub-dist.

London City " And Bromley sub-district.

Mile End Old Town Eastern sub-dist.

London City " And Bromley sub-district.

Mile End Old Town Eastern sub-dist.

Frivate Lunstic Asylums in which paupers are received.

Stepney Workhouse in Bromley sub-district.

Westmuster Unual Industrial School in West Battersea sub-district.

Stepney Workhouse on Bromley sub-district.

Westmuster Unual Industrial School in West Battersea sub-district.

Stepney Workhouse on Bromley sub-district.

Westmuster Unual Industrial School in West Battersea sub-district.

Stepney Workhouse in Bromley sub-district.

Westmuster Unual Industrial School in West Battersea sub-district.

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Stepney Workhouse in Bromley sub-district.

Westmuster Unual Industrial School in West Battersea sub-district.

Stepney Workhouse in Bromley sub-district.

Westmuster Unual Industrial Schoo

FABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

_	010 NI)(N,-1				eek er									-				
"egis-		Area	1:	1	1	1.			The I	HTAS	s regis	tered i	in the	Week	includ	6		
ration		in Acres,	Enume-			Des	ths of	T			Death	s fron	a					
and	REGISTRATION	inclu-	rated	HS.	DEATHS	7	60 ds.		-	1	1	ugh.	1	T	1		Public ons.	Causes
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS.	EA	under of Age.	aged 60 % upwds.	l i		OVOE	ia.	8-60		1 2	١.	Case	n Pu	ed O
Num-		and Fore-	1881.	E E		ar of	ons a	Small-pox.	sles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Jr.	Diarrhose	Violence.	Inquest Cases.	Deaths in Put	Dea
hers.		shore.				Infants	Persons Years	Sma	Measles	Scar	Diph	Who	Fever	Diar	Viol	nbuj	Dea	Uncertified (of Deatu.
LO:	NDON-OUTER RING	370,924	050.055	787	970	73	69	-	8		3	8	2	3	5	15	26	6
1		370,324	950,957	101	278	10	09	-	-	4	-	-	-	-	-	10		-5
80:1	Carshalton wL -	12228	21118	11	1	-		-	-	-	-	-	-	-	-	-	1	1.0
2	Epsom (part of)* WwH	9971	10710	1	1	1	-	-	-	-	-	-	-	-	-	-		2
37:1	Godstone (part of) * -	2754	1235		-	-		-		-	-		-	-		-	-	-
38:1	Croydon WwHHL - Mitcham w †	20851 11697	101341	57 9	23 5	1 2	12		-	-	1	1	-	-	-	1	7	-
39:1	Wimbledon HHH -	3220	17932 15950	12	6		1			-	_	1	-	_			1	/-
2 8	Kingston WHH	8549	36354	21	4	1	2	*		-	-	-	-	-		-	-	-
4	Esher (part of) * - Hampton H	6601 4573	9221 13539	9	5	 3	1	-	-	-	-	_	-	-	-	-	-	-3
40:1	Richmond WH	2272	21302	15	2	-	1	-	- 1	-	-	-	-	-	-	-	-	-
41:1	Mortlake	2941	12331	4	3	1	-	-	-	-	-	-	***	-		-	-	-
2	Bromley (pt. of) * HH Chishrst(pt.of)* WHH	15669 14307	31142 15844	23 12	12	3	3	_		_		2 1	-	_	1 -	1	-	-
42:1	Bexley H	18437	24134	18	8	3	3	-	1	-	-	-	-	1	-	1	-	1
124:1	Dartford (Ww, pts. of)* Sunbury w	11055	11685	5	4	2	1	-		-		-	-	_	-	1	-	-
3	Staines W	18277	12089	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
125:1	Hillingdon WHH -	6029	10802	6	3	-	1	-	-	-	-	-	-	-	-	-	-	-
3	Uxbridge Hayes wHL	6178 14587	5225 11523	6 13	4	-	1		-	-	-	-	-		-	- 1	8	
126:1	Isleworth WHH -	7008	22727	18	10	2	5	-		-	-	-	-	-	1	2	4	- 1
2 8	Twickenham H Brentford HL	2477 4345	12479 27649	13	9	2 3	3 2	-	1.0	-	-	1	-	-	1	3	2	- 1
4	Chiswick	1340	15975	12	5	-	2	-	1	-	-	-	-	-	-	1	-	-
127:1	Acton wH	13809	22876 12796	21	- 6 1	2	1	-	2	-	1	-	-		-	-	-	-
2	Edgware H	6994	3749	1	1	-	1	-		_	-	-	-	-	_			
3	Willesden Hendon W	4383 8382	27453 10484	27	8 2	8	2	-	-		-	-	-	-	-	1.	-	-
187:1	Bushey	9331	6621	4 -	2	-	2	-										
2	Watford (W, pt. of)* -	-		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
128:1	South Mimms Barnet	15599 5433	6391 10092	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Finchiey HL	4688	17615	9	8	2	1	-	-	-	-		-	-	1	1	8	-
185:1	Hatfield (part of) -	3806	<b>888</b>	-	-	-	-	-	-	-	-		-	-	-	-	-	-
129:1	Hornsey $H$ Tottenham $H$	3039 4642	37078 46456	19 65	9	2 5	2		-	-	-	1	7	-	-	1	-	-
3	Edmonton Ww ‡ - Enfield WH	7483	23463	28	10	5	1	-	1	-	-	-	1	-	-	1	1	1
8	Waltham Abbey	12658	19104 5363	15	5	-	.2	-		-	-		-	-	-	-	1	-
6	Cheshunt	8480	7785	1	-	-	-	- }	-	-	-	-	-	-	-	<u> </u>	-	1 -
186:1	Stratford   West Ham wwwwH§-	882 7351	38606 101053	88 185	41	2 13	1	-	1	-	-	-	+	-	-	-		-
3 4	Leyton WwL	4372	32480	85	12	2	3 -	-	-	3	1 -	1	2	-	1	1	2	1
187:1	Walthamstow H - Chigwell (part of) * H	6520	28869 9689	43	12	8	2	-	1	1	-	-	7	2	-	-	-	1
2	Epping (W, pt. of)* -	-	- 9009	-	2	-	2 1	-	-	-	-	-	+	-	-	-	1	-
189:1	Romford (part of) * W	6730	3411	2	2	1	1	-	- 1	-	-	-	-			-		
3	Barking Town	8493 4127	7645 9203	8	6	6	-	-	1		-	-	-,	-	-	-		:
				- 1		- 1		- 1	- 1	- 1	- 1	-	-	-	-	-	-	1

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Sing are as follow—30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromiey sub-district, except that parishes of Catham and Knockholt (pop. 1818); 41:2, Chislenuret sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Nortaw in Hatfield sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Helbern Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

‡ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 18th May, 1889.

		Area			L RATE			The DE	ATHS	regi	stered	in t	he W	eek i	nelud	8	
GREATER		in Acres,	Estimated Population,	of Mor per 1000	D living.	DEATHS from	Deat	hs of			I	Death	s from	n		,	Public ione.
LONDON.	,	tidal tidal water and reshore.	middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.	Deaths in Pu Institution
Co	ols.	1.	2.	3,	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
REATER LONDO	ON 4	48,334	5,642,015	14.0	1.6	1509	340	355	_	61	11	27	44	10	17	56	337
INNER LONDON OUTER RING		77,410 870,924	4,351,738 1,290,277	14.8 11.2	1.7	1231 278	267 73	286 69	-	<b>53</b> 8	7	24	36 8	8 2	14	51	311 -26

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is eq al to 700°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,606,200 Persons.

		estimated	Agg	regate 1 opi	mation of 1	0,000,200 £	erson	18.					
_	Damma					ANNUAL	DE	ATHS	FROM	PRIN	ES.	ZYMO:	
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETU Week end	RN.	BIRTHS. Exclusive o	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases
CALCUTTA	433,219	March	30	600	-	-	_	_	-	_		-	
BOMBAY	778,196	April	23	266	505	29.0	26	35	2	, 3	5	187	24†
MADRAS	398,777	March	22		-	-	- 1	-	-	-	-	-	-
PARIS	2,260,945	May	11	1123	951	21,9	4	31	-	28*	8	8	53
BRUSSELS with 8 Faubourgs.)	471,606	99	11	284	168	18.2	- 1	1			1	1	14
AMSTERDAM -	403,083	99	11	289	177	28.0	_	7	_	2	3	1	12
ROTTERDAM -	197,723	99	11	144	108	28.3	-	3	-	- 1			3
THE HAGUE	153,440	99	11	101	56	18.9	- :	-	-	- 1	-		1-1
COPENHAGEN -	307,000	99	4	246	149	25*3	- 1	-		4.	8	1	15
STOCKHOLM -	221,549	93	4	172	84	19.1	- 0	-	-	3*	1	- 1	4
CHRISTIANIA -	138 300	19	11	69	53	19.9	-	-	-	7	5	-	1
St. Petersburg	842,883	39	4	-	618	38.3	2	1	5	5	4	. 25	91
BERLIN	1,470,582	April	27	911	640	22.5	-	. 5	.1.	25	. 13	5	51
HAMBURG(State)	675,276	May	4	396	246	22:3	-	-	~	2*	1	1	. 9
DEESDEN	264,196	59	4	191	114	22.4	5	-	-	2*	· P -	-	10
BRESLAU	315,000	35	11	243	188	31.3	- 1	1	-	9*	-	1	17
MUNICH	281,000	23	4	207	162	30.0	- 1	7	2	10*	1		25
VIENNA	811,434	,,	. 4	552 .	440	. 28*4		11	4	10	-		29
PRAGUE	304,356	33	4		171	29.3	8	1	3	5	1	-	4
BUDA-PESTE .	452,907	20	4	331	289	33.2	-	-	1	3	2	4	21
TRIESTR	158,084	23	4	-	63	20.7	- 1	-	-	1	- 7	-	' 2
ROME	401,044	March	30	256	195	25.3	3	3.		2	~	71	10
TURIN (10 days)-	306,398	April	20	-	-	-	-	~		-	-	~	~
VENICE	153,375	May	4	97	84	28*6	2	4	-		1		8
CAIRO	374,838	April	25	358	374	52.1	6	5	-	2*	1	28	120
ALEXANDRIA -	231,396	99	25	167	199	44.9	1	13.	1-1	- !		10	53
NEW YORK -	1,549,500	**	27		. 880	29.6	-	12	51	54	19	3	22
BROOKLYB .	814,505	39	27	-	324	20.6	-	15	9	20	4	-	5
PHILADELPHIA -	1,040,245	59	27	- "	395	19.8	-	2	5	6	4	15	2
BALTIMORE -	500,848	99 .	27	-	132	13.8		-	1	2	2	~	1

<sup>Including deaths from croup.
Including 3 deaths from cholera.
Including 2 deaths from malarial fever.</sup> 

TABLE 9 .- METEOROLOGICAL OBSERVATIONS taken at the ROYAL OSSERVATORY, GREENWICH, during the Week ending Saturday, 18th May, 1889. Under the Superintendence of the Astronomer Royal.]

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are :- F. positive; N. negative; w. weak; m. moderate; s. strong; and the aggregate duration of bright sunshine on each day.
The results of all the meteorological observations are to be understood as applying to the ege-readings of the authorized, must say the application of corrections deduced from a discussion converted into mean daily values by the application of corrections deduced by a becometer, and the photographic records made during the twenty years ending 1873 for the baronneter, and the photographic records and during the twenty years ending 1875 for the baronneter, and the photographic records and during the twenty was ending 1875 for the baronneters. With the corrected mean reading The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and "tower," than the average. The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jettles of the Foreign Cattle Market at Deptiord, and The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show bulb thermometers by Glaisher's Hygro-The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air The mean daily dew point temperature and degree of humidity are deduced 3.0 0.1 The height of the cistern of the barometer is 159 feet above the mean level of the sea; their readings are registered by the Clerk of the Market, under instructions from Rain tollected in a Gauge whose Sum 0.10 00 00.0 00.0 96 of the air from a discussion of the anemometric records for the 16 years ending 1875. Average of 16 Years. Sum -484 Miles. -108 23. -149 Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. Robinson's. Horizontal Movement of the Air Sum 1259 190 1.6 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. during the twenty years ending 1868 for the thermometers. Mean of 24 hourly obs. 0.0 0.0 0.0 0.0 0.0 Pressure on the Square Foot. 0.0 0.0 0.0 0.0 rom the mean daily values of the dry and wet Osler's. NE. & NNE. SW. & SSW. WSW. & SE. & SSW. N. & NE. SE. & E. WSW. WSW. P.M. General Direction. SW. & WSW. 3 NE. & NNE. NE. & SE. E. & NE. N. & NE. WSW. Corporation of London. A.M. Z metrical I ables. Of the Water of the Thames at Deptford. 57.5 58.5 2.99 7.99 8.99 2.99 column 8). v. variable. TEMPERATURE. High-59.3 58.5 ₹.19 0.89 22.0 8.19 0.89 est. on the Grass. 0.9 43.2 37.0 45.6 16 Variable in morning; partially cloudy till evening; and partially cloudy fog at Overcast throughout. Foggy in morning, with rain; great gloom in evening. in morning; partially cloudy cloudless in evening; overcast Very High-est in Sun's Rays. 23.5 132.9 24.8 34.8 15 and Overcast and misty in morning; partially and fine till evening; overcast with slight night. Degree of Hu-midity for in morning; cloudless Hazy. 14 66 28 84 80 98 GENERAL REMARKS. morning; fine Overcast throughout; frequent rain. Difference between the Air Temperature and Dew Point Temperature. 9.0 0.5 0.0 0.1 0.3 13 0.81 15.2 7.57 13.1 est. in Overcast and foggy and fine in afternoon; Mean daily value. 1.5 2.3 7.31 4.4 with fog Overcast with Of the Dew Point. Mean daily value. 9.87 51.1 8.6 8.07 8.19 8.4 8.67 parture from Average of 8.7 2.4 0.5 0.1 1.1 6 + + 0.64 Registered Sun above Sunshine, Horizon, in hours. in hours. Mean daily value. 52.3 0.世 P.99 53.9 0.79 53.9 2.89 1.91 9.91 15.5 15.5 9.91 4.91 4.91 Of the Air. Daily 20.4 23.1 22.4 8.41 \$ 25.4 1 2.5 0.0 0.0 7.01 47.5 4.9 42.4 46.7 LOW-9 est. High-52.0 65.3 0.89 9.49 0 10 The electrometer was not in action throughout the week. (For explanation of symbols, see Note.) ELECTRICITY. in. 29.637 814.67 29.628 849.678 29.747 29.771 29.808 29.717 7 Oreatest 1)ec. S. of the Full. In 00 12 91 14 17 18 12 18 MONTH AND No. of Col. 1889. MAY. WEDNESDAY DATE. DAY. MAY. THURSDAY SATURDAY MEANS THURS. TUES. MONDAY **FUESDAT** MOM. SONDAY WED. SUN. SAT.

### RETURN WEEKLY

#### LONDON DEATHS IN AND BIRTHS

### OTHER GREAT TOWNS. TWENTY-SEVEN

## By Authority of the Registrar General.

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No. 21. 1889. Vol. L.]

WEEK ENDING SATURDAY, MAY 25.

Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, 27th May, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.4 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

Towns.	Weeks ending						Weeks ending			
	May 4.	May 11.	May 18.	May 25.	Towns.		May 4.	May 11.	May 18.	May 25.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull -	19.8 16.3 32.3 28.7 18.4 22.3 18.0 19.4 18.5 25.7 21.4 19.6	20·4 18·6 25·0 28·7 23·1 15·9 17·1 14·8 16·4 32·2 19·7 23·6	14.8 18.6 22.4 22.7 20.0 15.9 15.2 23.6 15.9 25.7 16.9 18.6	14.8 16.3 19.8 28.2 17.8 12.9 16.6 14.8 12.2 22.5 15.2 17.1	Manchester Newcastle-on-Tyn Norwich - Nottingham Oldham - Plymouth - Portsmouth Preston - Salford* - Sheffield -	e*	16·6 28·4 23·7 21·0 20·6 29·3 30·0 16·6 29·5 19·2 22·3	15·5 31·5 24·0 22·1 17·1 25·3 22·0 17·4 31·5 21·2 19·5	16·0 14·8 28·2 23·7 11·0 14·5 25·7 20·7 14·8 38·1 18·7 16·7 19·8	15·2 28·8 24·6 15·5 19·1 20·2 28·7 13·3 30·5 21·8 17·1
Leeds - Leicester* -			19.3	23·5 12·1					19.0	

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.8 in Leeds, 2.3 in Hull, 2.8 in Manchester, 5.0 in Bolton, and 8.0 in Preston; from scarlet fever, 1.0 in Preston, 1.3 in Blackburn, and 3.3 in Plymouth; from whooping-cough, 1·4 in Bolton, 1·5 in Birkenhead, 2·0 in Preston, and 2·6 in Nottingham; and from "fever," 1·0 in Birkenhead, and 1·1 in Huddersfield. The 39 deaths from diphtheria in these twenty-eight towns included 21 in London, 5 in Birmingham, 4 in Salford, and 2 in Manchester. Small-pox caused no death in any of the twenty-eight great towns.

LONDON.

Allowing for In LONDON 2402 BIRTHS and 1267 DEATHS were registered. increase of population, the births were 281, and the deaths 295, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the seven preceding weeks from 18.8 to 14.8, was last week 15.2. During the first eight weeks of the current quarter the death-rate averaged 16.7 per 1000, and was 3.6 below the mean rate in the corresponding periods of the ten years 1879–88.

The 1267 deaths included 47 from measles, 16 from scarlet fever, 21 from diphtheria, 48 from whooping-cough, 5 from enteric fever, 1 from an ill-defined form of continued fever, 13 from diarrhoen and dysentery, 1 from cholera, and not

<sup>•</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

one from small-pox or typhus; thus, 152 deaths were referred to these diseases,

being 81 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 20; no small-pox patient was under treatment at the end of the week in the Metropolitan Asylum Hospitals, or in the Highgate Small-pox Hospital. The deaths from measles, which had been 68, 60, and 53 in the three preceding weeks, further declined last week to 47, and were 22 below the corrected average; 30 occurred in South London, and of these, 3 belonged to Newington, 4 to Bermondsey, 3 to Lambeth, 3 to Camberwell, and 3 to Greenwich sanitary areas. The fatal cases of scarlet fever, which had been 15, 10, and 7 in the three previous weeks, rose last week to 16, but were 13 below the corrected average; 2 belonged to the City, and 5 (including 2 hospital cases from Cavendish-grove) to Lambeth sanitary areas. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 603 scarlet fever patients, against 610 on each of the two preceding Saturdays; 57 cases were admitted to these hospitals during the week, against 70, 58, and 65 in the three previous weeks. The 21 deaths from diphtheria showed a decline from the numbers in the two preceding weeks, but were 5 above the corrected average; 3 belonged to Kensington, 2 to Rotherhithe, and 5 (including 2 in Hurley Road) to Lambeth sanitary areas. The 48 fatal cases of whooping-cough exceeded the number returned in either of the two previous weeks, but were 21 below the corrected average; 7 belonged to Pancras, 4 to Hackney, 4 to Poplar, 3 to St. George Hanover Square, and 3 to Newington sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 10 and 14 in the two preceding weeks, were last week 13, and 2 below the corrected average; 10 were of children aged under 5 years. The death of a male, aged 46 years, in Stepney sanitary area was referred to "cholera nostras, 27 hours."

The 5 deaths from enteric fever showed a decline of 2 from the number in the previous week, and were 7 below the corrected average; 2 belonged to Camberwell sanitary area. The death of a child, aged 9 years, in Bethnal Green was indefinitely referred to "low fever." The death of a male, aged 37 years, in Islington resulted from "febris cerebro-spinalis, 10 days." The Metropolitan Asylum Hospitals contained 11 cases of enteric fever and not one of typhus on Saturday

last; one case of enteric fever was admitted during the week.

The deaths referred to diseases of the respiratory organs, which had been 213 and 217 in the two preceding weeks, declined last week to 177, and were 116

below the corrected average.

Different forms of violence caused 48 deaths; 42 were the result of negligence or accident, among which were 23 from fractures and contusions, 4 (including 2 the result of conflagration) from burns and scalds, 3 from drowning, and 6 of infants under one year of age from suffocation. The 23 deaths from fractures and contusions were thus caused: -9 by accidents from vehicles or horses in the streets; 1 by accident on railway; 1 by injuries from fall of scaffold-pole; 1 by injuries from fall of a barrel of beer; 1 by fall from window; 2 by fall down stairs; 1 by fall from scaffold; 1 by fall from loft; 1 by fall cn floor; 1 by blow; 1 by fracture, the cause of which was not stated; and 3 by fall, the nature of which was not stated. An inquest was held in each of these 23 cases except one of the last three. Six cases of suicide were registered, being 4 below the corrected

GREATER LONDON.

In Greater London 3192 births and 1590 deaths were registered, corresponding to annual rates of 29.5 and 14.7 per 1000 of the estimated population. In the Outer Ring 15 fatal cases of measles, 9 of whooping-cough, 4 of scarlet fever, and 4 of diphtheria were registered. The 15 deaths from measles included 2 in Croydon, 2 in Acton, 2 in Hornsey, 2 in Stratford, and 2 in West Ham subdistricts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.70 ins.; the highest reading was 29.93 ins. on Monday evening, and the lowest 29.37 ins. on Saturday morning. The mean temperature of the air was 61.9, and 6.7 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Sunday, but exceeded the average on each of the other days of the week; the excess was exceptionally large on Thursday and Fricay. The direction of the wind was variable, and the horizontal movement of the air averaged 5.8 miles per hour, which was 4.6 miles below the average in the corresponding weeks of 16 years. Rain fell on three days of the week, to the aggregate amount of 0.51 of an inch. The duration of registered bright sunshine in the week was 49.1 hours, against 49.0 hours at Glynde Place, Lewes. the week was 49.1 hours, against 49.0 hours at Glynde Place, Lewes.

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	CITIES	AND BOROUGES.		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	FORTSMOUTH. NORWICH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPTON	BIRMINGHAM.	LEICESTER.	DEPENDENCE OF THE PROPERTY.	BIRETHURAL	LIVERPOOL	ROLTON.	MANGERGE	SALFORD.	OLDHAM.	BLACKBURN.	PRESTON.	HUDDERSFIRED.	TIPHIE WAS	BRADFORD.	SHERRIED.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIER.		EDINBURGE.	DUBLIE.		
	ALL	Centi-	aI a	24.	0.94	1.30	0.15	1 1	0.58	1.30	1.07	1	1	0.50	1 1	98.0	3 1	1	1	8	1	1	1		5.30	1	1	ı	₹8.0	,	ı	00.0	0.03		
	RAIMPALL	*soqou	I uI	23.	0.37	19.0	90:0	1 1	0.11	0.15	0.45	•	1	80.0	1	0.14	1 1		1 1	1		1	ı	8	\$6.0	1	1	1	0.83	1		00.0	0.01		
AIR.	ru.	.ebsrgi	Centi	22.	14.50	19.91	12.00	1 1	13.78	14.06	14.11	1	ı	76.57	1	18.88	00 1		1 1	8	1	1	1	1	90.21	ı	1 (	1	13.50	1		13.78	18.28		
TEMPERATURE OF THE AIR.	Mean	.tiedne	Fahre	21.	58.1	6.19	20.09	1 1	56.8	-	57.4 1	1	1	6.89	ı	F.G.0	-		1 1	1	1	1	1	,	1.69	1	1	1 1	8.92				62.0		
AXURE	-3	Lowes	heit.	20.	0.44	45.3	0.44	1 1	0.9	2.9	12.1	1	1	45.3	ı	1 0	0 0		1 1		,	1	1	t	6.64	1	1	1 1	0.47	-	-	41.5	98.88		
PRIFER	.31	Higher	Fahrenheit	19.	85.2	85.2	9.64	1 1	1.04	2.2.2	6.94	1	1	0.84	ı	. 0	0.77			1 1		ı	ı	,	0.44	ı	1	1	0.69		-	_	72.3	-1	
	nding -	mi sasa .21-3 .	Dises Cols.	18.	3.3	1.8	6.0	1.1			1.8	2.5	-		0.0				x0 cr	3.7	5.6	0.11	67	1.3	2.4	00	· 57	0.0	80.0		0		0.0	=1	
Annual Rate	corresponding to the Week's Deaths	.sess.	-	17.	17.4	15.2	6.71	13.3	28.1	9.91	14.5	16.3	12.1	19.1	7.7.	14.0	28.5	1 0	8.13	20.5	19.8	30.2	15.2	25.22	17.8	23.2	17.1	7.77	0 17	0.7	0 #1	9.91	2.83	7	
-	l.dis	edition of to as	Caus	16.	99	13	1	1 -	4 1	20	61	67	67	-	1	1 9	9 4	,	20 -	# I	67	67	-		-	63	1	41	1 -	- 1	-	20	200	,	
An	_	ni adtasin Public noitutite		16.	209	343	4	00 F	4 00	19	61	32	9	70	·	4, 0	33		40	11	0.	7	4	G1	10	12	10	00 1	ro h	10	2		28		eturn.
		seaU test	- 1	14.	208	06	1	1 -	4 00	00	63	12	4	1	-	27 2	4	0	12	0 0	1 00	-	1	1	9	20	1	33	9 1		-	a.	e. 0	0 .	his R
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by Multi mistromotion in the Week include			Fere	ii	32	9	1	1 1	1,1	ł	ı	p4	-	1	1	G1 :	1-		01 -	4 c	1 1	1	61	1		67	6.1	1	1	1	1	-		00	e on fi
	LOID	oping-	COD AA UO	10.	113	48	1	67	1 6	1 -	1	10	-	12	1	ಣ	100	2	6.1	1 0	27 0	2 4	1	F	9	33	-	63	-	00	67	4	43	23	a not
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	O DEAT		Mesa	7.	142	47	-	-	1 -	4 61	-	4	1	1	1	-	60	1	50	es 1	-	1 4	07	-	ı	12	4	6	1	9	1	~	21		
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THES, DRATHS, and METEOROLOGY IN 20 Great 100	s of	begge an steel steel wards.	Kerson 80 Y	5.	639	200	10	9 .	10	13	9 00	48	10	12	7	4	26	-	24	14	9	10	- 0	00	G	26	21	11	19	19	-	14	888	33	ı
INTHE	Deaths of	s under los ses ses ses ses ses ses ses ses ses s	V	4.	775	٠ '	4	11	e 1	2 10	11	30	11	25	9	L.	53	18	55	20	11	14	18	# C	,	30	29	15	10	19	10	2.5	212	67	ı
E -	luring		DEATHS.	33	3190	1001	30	36	80, 9	5 5	23	149	355	87	23	99	203	62	209	86	55	46	19	700	0	191	107	89	50	16	65 65	38	290	142	ı
TABLE 1BIR	Registered during the Week ending	26th May, 1889.	BIRTES. DI	33	K K 89	200	2402	2 2	99	45	258	N HG	617	123	39	55	998	98	259	129	78	30 0	80 80 80 80	40	000	080	219	119	66	103	81	124	402	197	
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	POPULATION	estimated to the middle of the Year	1888.	1	1000	9,555,400	4,351,738	141,253	94,510	78,225	229,361	20,00	454,835	020,001	98.599	102,541	606,562	114,670	878,800	284,283	142,405	121,275	104,194	81.080	040 466	367 449	327,227	208,017	184,198	160,983	112,712	266,800	528,144	353,082	
	- 2	9 H-								•	• %	3	•					•	•		•	•					•	-	•	•	•	•	•	•	1
		CITIES AND AND BORUUGHS.		Col8.		28 TOWNS	гомпом -	BRIGHTON -	NORWICH -	PLYMOUTH .	BRISTOL	WOLVERHAMETON	BIRMINGHAM	LEICESTER	NOTTINGBAM	DEED -	LIVERPOOL -	BOLTON -	MANCHESTER	SALFORD* .	огрнум .	BLACKBURN -	PRESTON .	HATTER Y	MALIERA	BRADFORD -	SHEFFIELD .	HOLL .	SUNDERLAND	NEWCASTLE*	CARDIFF	EDINBURGH -	GLASGOW .	DUBLIE -	

TABLE 2. LONDON.-Births and Deaths Registered in the TWENTY-FIRST Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weckly Average in 10 Years 1879-88.*	1889
Total Births  Males Females .	2369	2618	2411	2401	2692	2627	2209	2431	2571	2278	2683·3	2402
	1242	1358	1215	1244	1383	1310	1144	1231	1315	1151	1373·2	1218
	1127	1260	1196	1157	1309	1317	1065	1200	1256	1127	1310·1	1184
Total Deaths  Males Females .	1497	1333	1452	1435	1518	1427	1538	1229	1534	1361	1562·0	1267
	799	692	756	723	806	769	805	631	793	703	815·9	664
	698	641	<b>6</b> 96	712	712	658	783	598	741	653	746·1	603

The numbers in this column are the average weekly numbers in the twenty-first weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS

AA	BLE 3. LUNDON.		,		-		GONOL	OU Z	2 0110	23456	Ini	IEEN	WE	. O.
		Mar.	Mar.	Mar. 16.	Mar. 23.	Mar. 30.	Apr.	Apr.	Apr. 20.	Apr. 27.	May 4.	May 11.	May 18.	
Тота	L Births	2609	2698	2699	2670	2808	2676	2509	2488	2522	2712	2565	2648	2402
Тота	L Deaths	1472	1637	1638	1554	1476	1572	1493	1426	1462	1386	1295	1231	1267
Ages a	4 40-00 ,,	681 153 254 314 70	695 175 309 391 67	719 188 298 357 76	666 165 274 366 83	642 200 274 287 73	729 175 287 305 76	671 183 266 310 63	670 174 214 299 69	708 171 256 264 63	626 184 266 258 52	577 175 251 245 47	571 169 205 232 54	608 152 221 224 62
17	{Under 1 year - 1 - 5 - 20	349 257 75	322 277 96	362 249 108	317 276 73	316 242 84	368 261 100	322 251 98	299 279 92	361 273 74	309 246 71	287 218 72	267 225 79	301 222 85
Deaths  ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	from Small-pox , Measles , Scarlet fever , Diphtheria , Whooping-cough , Typhus , Enteric fever , SimpleContafeve , Diarrhea and , Dysentery , Cholera , all the above-	1 6	76 16 20 29 - 4 3 15 -	60 16 31 37 -6 - 14 2	84 6 23 42 - 4 - 18 -	56 11 18 51 - 8 - 9	74 15 26 49 - 9 - 17 -	72 13 36 43 1 10 1 11 -	70 10 22 51 - 6 - 10 -	65 9 29 56 - 3 1 18	68 15 21 55 - 5 2 12 -	60 10 23 37 5 4 10	53 7 24 36 -7 1 14	47 16 21 48 - 5 1 13 1
29 92 22	mentioned Diseases }  ,, Dis. of Respira- tory System }  ,, Phthisis - ,, Dis. of Circula-	362 127 116	402 161 150	396 162 157	378 139 127	332 153	364 170 146	294 152	300 128 98	305 164 119	242 143 154	213 125 134	217 137	152 177 148
Inquest Deaths	in Public Institutions	57 118 353	52 114 895	63 127 378	53 111 366	52 125 354	69 130 340	68 130 325	57 111 315	69 116 331	55 107 315	66 125 310	97 51 85 811	98 48 90 349
Mean Mean Mean	of Highest readings - of Lowest readings -	32·8 37·7 29·8	37·4 46·3 28·9		35.7	45.6 54.6 38.6	43.5 51.8 37.4	43·5 50·4 38·6	55.3	57.8	61.9	57·7 67·9 49·1	54·0 64·5 46·7	61·9 75·1 50·8
Rain-fal	ty of the Air	88 0·13 7·6	75 0·54 26·0		i i			_		1		-	-	77 0·51
register	eu sunsmile (m nours)	1.0	20.0	14.8	18.4	14.3	21.3	8.6	12.5	31.3	39.8	37.5	27.7	49.1

# METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Smipson, Esq., Wrottesley, Wolverham; J. Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingsham; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the

				Tv	VEN	TY-	FIR	ST	Wee	k of the Year 1889.									
	for the		In	the day,	Wee! 25th	k end	ding y 188	9.	-		r the		Satu	n the					
	es for		De	aths	of P		as of			,	ges for s 10 yeas	,	De	aths	of P		s of		
USES OF DEATH.	Corrected Averages fig. Weeks of the 10 1879-88.	ALL AGES.		nder 20.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	ou Years and upwards.	CAUSES OF DEATH.	Corrected Averages 1 21st Weeks of the 10 1 1879-83.*	ALL AGES.	0-1.	nder 20.	5-20.	29 and under 40.	40 and under 60.	and und	upwards.
L GAUSES	1562.0	1267	301	222	85	152	221	224	62	Diseases of Organs of Special Sense † }	2.3	4	2	-	-	2	-	-	_
mall- pox Vaccinated; - Unvaccinated No Statement	}20.5			-			-	-		Diseases of Circulatory }	101.1	93	2	2	7	19	30	30	8
easles	63'5 29'4 0'2	47 16 -	10 1 -	32 11 -	3 4	1 -	-	-		Croup Bronchits Pneumonia Pleurisy	13·3 156·6 89·7 5·0	5 88 75 2	2 25 24 -	3 25 25 1	3 -	7	7 6 -	28 9	8 1
elapsing Fever't	69.0 0.1 0.0	48	19	25	- 4	-	-	-	1 1	Other Diseases of Respi- ratory System	28.1	7 8	5	3	2	-	-	1	-
iphtheria imple Continued and } Ill-defined Fever } nteris Fever	15°5 2°3 12°0	21 1 5	2 -	9 -	10 1	- 1	1	1	1 1 1	Quinsy, Sore Throat † - Enteritis Peritonitis Diseases of Liver - Other Diseases	2.7 8.3 7.2 30.4	1 10 6 22 26	5 - 1 2	1	1 3	1 114	1 8 7 9	1 9 6	- 1
holera	0.8 15.2 0.2	13	6 -	4 -		1 ~	1 -	1 -	1 -	Digestive System - )  Diseases of Lymphatic System & of Ductless	1.2	4	-	1	-	3	-	-	-
ydrophobia	0.0	-	-	10 1 1	-	-	-	-		Diseases of Urinary	81.7	41	1	1	3	5	13	15	3
enercal Affections — rysipelas — — yæmia and Septicæmia †	10·8 4·4 3·3 5·8	14 1 3 2	10 1	1 -	-	1	1	1 -	1 1 1	Diseases of Generative System Accidents of Childbirth -	5.8	4 4	-	-	- 1	3	3 -	1 -	-
uerperal Fever ther Zymotic Diseases †	1.2	1 3	3	-	-	1	-	-	-	Diseases of Locomotive		13	1	1	4	4	1	3	-
Vorms and other Para-}	0.4	-	-	-	-	-	-		-	Diseases of Integumentary System	6.5	4	1	1		-	-	2	-
tarvation, Want of Breast-milk †}	0.8	10	-	-	-	3	6	1	-	VIOLENT DEATHS.									
theumatie Fever. theumatism of Heartt }	6°2 2°0 2°8	6 3 4	-	1 -	2	1	2 - 1	3 8		Fracture and Contusion Gunshot Wound Cut, Stab Burn and Scald Poison	0°0 0°2 3°2 1°1	23 - 4	11111	6 - 1	4	1	1 -	1 - 1	1
lickets †	4·7 58·3 23·0	8 54 17	2 - 9	1 - 7	- 1	5 -	27	22	-	Drowning Otherwise	7°9 13°0 2°1	3 8 4	6 2	1 2 -	-	-	i	1	-
Subercular Meningitis – Shthisis – – – Borofula, Tuberculosis –	33°2 166°9 19°3	21 143 17	8 2 5	1 -	15 8		48	1	1 -	(HOMICIDE.) Murder & Manslaughter	1.9	-		-	-		-	-	-
Other Constitutional Diseases † }	7.6	9	1 41	-	2	2	-	4	-	(SUICIDE.) Gunshot Wound - Cut, Stab - Poison	1.7	1 1 -		-	1141	1 - 1		1	1111
Ateleotasis † Congenital Malforma-	8·2 6·2	12	12	-	-	-	-	- 21	26	Drowning Hanging Otherwise	2.0 3.0 1.2	1 2 1	-	-	-	-	2	ī	-
Old Age	41.3	47	- 1	. 1		2		17	8	(EXECUTION.) Hanging	- 0.0	-	-	-	-	-	-	-	-
Convulsions Other Diseases of Brain and Nervous System	50.3	40 83	34	6	-	-	-	-	-	OTHER CAUSES † -	- 50*8	52	40	7	1	1	-	3	-

asse of small-pox only are returned as "vaccinated" or as "unvaccinated," when are so certain by registered metallic attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of Jeath is not certified by a registered attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of Jeath is not certified by a registered attendant of the case is returned under the heading" no statement."

Jenso as inquests is often usualticient to canable (the Coroner to certify whether a violent death be the result of accident, murder, lenso as inquests is often usualticient to canable (the Coroner to certify whether a violent death be the result of accident, murder, lensor in the death is not certified.)

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarl during the Week endi

				_	_	_		_		_	_						CHU
							The	DEA	THE	regist	ered i	n the	Wee	kine	lude		-
	Enume-		1	Deat	hs of					Deat	hs fro	m					
REGISTRATION	rated Popu-	9	HF.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 60 wds.			2	1	ongp		(Or Fever	er.			4	Deaths in Public institutions.
SUB-DISTRICTS.	lation,	RTE	DEATE	under of Age.	aged &	0 X.		Fover.	rie.	Whooping-sough		(Or	con-	. 00		Inquest Cases.	in in
	1881.	al B		0	ars ars	Small-pox,	Measles	rlet 1	Diphtheria	ndoo	Typhus.	erie	Simple e	Diarrhoa.	Violence	1000	the stit
		Total	Total	Infants	Persons Years	Sms	Mea	Searlet	Dip	Wh	Tyl	Enterie (o Typhoid)	Sim	Dia	Vio	Ing	Dea
TONDON.	3,815,704	2402	1267	201		_	47	16	21	48	_	5	1	13	48	90	343
LONDON		2402		301	286		5	2	5	10	-	2	-	8	7	16	66
West Districts	905,947	849 508	280	60	54 77	-	6	4	2	16		1	-	4	6	10	70
CESTRAL DISTRICTS	282,288	180	79	18	16		3	1 -	2 2	7		1	1	3	15	9 27	26
EAST DISTRICTS -	692,788 1,265,148	916	226 461	61	52 87	_	30	9	10	15	1	1	-	1	15	28	107
ROUTH DISTRICTS - METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION	-	-	-	-		-	-	-	-	-	-	-	-	Ŀ	-	-	-
LONDON) West Districts.																	
St. Mary Paddington WHH G.J. & W.M.	69888 37830	54 13	14	3	5	-	-	-	1	-	-	-	-	=	-	-	5 4
St. John Paddington H - G.J.  Rensington Town Ww W.M.	120141	54	43	7	12	-	-	ī	1	1	-	ī	-	-	2 -	2	15
Brompton H W.M. & C. St. Peter Hammersmith W.M.	43010 7599	9	10	-	3	H	-	-	-	-	-	-	-	-	-	2	3
St. Paul Hammersmith H W.M. & G.J. Fulham Www W.M. & C	64340 42900	45 59	17 29	10	5	-	1	1	2	2	-	-	-	1	1	1 2	9
Chelsea South HHH - C. Chelsea North-west WHHHHH. C.	0396 24925	18 11	14	4 2 3	1 4	-	-	=	=	1	-	= ;	-	1		1	3 5
Chelsea North-east C.  May Fair WW G.J.	32807 30353	18	8	-	8	-	1	-	-	1	-	_		-	2	-	8
Belgrave WHHH C. St. John Westminster HHH - C.	59220 35496	30 17	26 11 14	9	3	=	2	-	=	1	-	-	-	-	2	3	7 8
St. Margaret Westminster H - C. St. James Westminster WHH N.R. & G.J.	24679 29941	7 5	11	2	2 2	-	1	-	-	1	_	1 -	-	-	-	-	8
St. Anne Soho HHHHHHHH - N.R.	16608	5	5	1		-	-	-	-		-		-	1	-	-	-
North Districts.  All Souls Marylebone HHHHH - W.M.	26759 14891	9	8	-	1	-	-	-	-	-	-	-	-	1	-	1	8
Alt Souls Marylebone HHHH - W.M. Cavendish Square HHHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb . HHH G.J. & W.M. Christchurch Marylebone HH - W.M.	24809 21118	8	7 4	2	1	-	1	-	-	2	-		-	~	-	1	1
Christchurch Marylebone HII - W.M.  St. John Marylebone R - W.M.	33700 33638	22 15 10	9	5	i	-	-		-	-	-	-		-	1	1	- 1
Hampstead WwwHHHH N.R. & W.M	45482	25	23	4	6	-	1	1	1	1	-	-	-	-	-	-	5
Regent's Park Pancras H - W.M. Tottenham-court wHHHH N.R.&W.M.	89115 27729	28 12	11 18	5	8	-	-	-	-	3	-	-	-	1	-	1	9
Regents Fark Fanoras H Tottenham-court wHHHH N.R. w.M. Gray's Inn Lane HHH - N.R. Somers Town H N.R. Camden Town WH N.R.	80247 84369 17811	12 18 12	8 8 18	8	1 3 11	-	1	-	-	-	-	-	-	7	1	1 2	12
Kentish Town W N.R.	87487	59	26	8	9	-	-	H	-	3	-	-	-	=	-	~	4
Upper Holloway $WWwH - N.R.$ Islington South-west $HH - N.R.$ Islington South-east $- N.R.$	67946 100976 61825	48 50 83	18 14	8 5 4	13 4 5	-	1.	-	-	1	-	-	-	1	8	8	20
Highbury H N.R.	52048	85	8	1	4 -	Н	î	-	_	1 -	-	-	-	-	-	-	1
Stoke Newington H N.R.  Stamford Hill E.L.  West Hackney H N.R.	22781 9277	10 8	1 5	2	1	-	-	-	-	-	-	-	-	-	-	-	=
West Hackney H N.R. Hackney Wiewer E.L.&N.R. South Hackney E.L.	37610 76911 39883	28 50 20	35	8	8	-	=	3	-	2 2	-	1	-	1	-		11
CENTRAL DISTRICTS.	00000								1	*	-						
St. George Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North N.R.	16681 14864	4 18	6	2	1	-	2 -	-	-	-	-	- 1	-	ī	-	ī	3
St. Martin-in-the-Fields HH N.R. & C.	13887 17508	8	1 2			-	-	-		-	-	-	-	-		-	1
St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	7515 8559	2	5	ī	-	-	-	-	1		-	-	-		ī	ī	5
Strand Union Workhouse, Edmonton w. St. Geothe-Martyr HHHHHHHH N.R.	18871	7	8 2	8	3	-	-	-	1	-	-	-	-		=	-	4
St. Andrew Eastern # - N.R. Saffron Hill H N.R. N.R.	10706 6588	4 4	1	Ę	-	-	-	-	Ĵ	-	-	-	-	-	-	-	i
Bt. James Clerkenweil N.R. Amwell Clerkenwell N.R. Pentonville N.R.	17516 19281 14778	7	4	1	1	-	-	-	-	-	-	-		ã	-	-	-
Goswell-street N.R. Old-street H N.R.	17506 11541	11 15 5	8	2 1	2 -	-	-		-	-	-	-	-	-	1.	2	-
City-road HHL N.R. Whiteeross-street N.R.	18628 9217	15	6	3 -	1	-	-	-	-	-	-	-	-	ĭ	-	ī	1
Holborn Union Workhouse, Mitcham w.	7468	8 -	2	1	î	-	-	-	-	-	-	-	-	-	-	=	ī
St. Botolph $H$ $N.E.$ &E. L. Cripplegate $N.E.$ &E. Sepulchre $H$ $N.E.$	11174 7193 5858	4	5 2	1	2	-	-	-	-	-	-	-	-	74	-	-	-
St. Bride W N.R.	8396	ī	12	-	1 2		1	1		7 1 1	-	ī	-	E	1	1	10
Allhallows Barking N.R. Broad Street H N.R.	18666 5652	3	3	-	~	-	-	-	-	-	-	-	-	=	-	- 1	-
										1	-		-		- 1		

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Work-louic H-Hospital; L-Lunatic Acylum; w-A Workhouse Establishment receiving immates from other Districts than that in which it stands on the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies and K, the Kent Company; W.M. West Middlesex; C. Chelsea; S. Bouthwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East London;

EB, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

irday, the 25th May, 1889.																		
						-	The	DEA	THS I	ogisto	red i	n the	Week	k incl	ude			
	Enume-			Deat	hs of	-			1	Death	s from			-			10	20
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total Bintes.	Total DEATHS.	Intants under 1 Year of Age.	Persons aged 60 Years a upwds.	Small-pox.	Measics	Searlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enterie (or 'Pyphoid) Fever	Simple con-	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Frenth
EAST DISTRICTS.  Twell Shoreditch - N.R. & E.L.  conard Shoreditch HL* - N.R.  ton New Town to - N.R.  ton Old Town N.R.  gerston WH - N.R. & E.L.	7376 14967 28937 28036 46275	5 7 17 18 27	1 6 12 4 21	3 - 4	2 6 2 6	11111		11111	-	11111	11111	11111	11111	1	111	1 1 2	3 4 11	11111
kney-road H E.L. en, Bethnal Green WHL* - E.L. rob, Bethnal Green E.L. n, Bethnal Green E.L.	29788 47982 29981 19810	80 22 16 28	17 6 4	2 2 2	6 - 2	1111	1	1111	1111	1	1111	1111	1	1111	2 2 1 -	2 1 1	9	1111
affields E.J., & N.R.  End New Town # E.L.  techapel Church # E.L., & N.R. dman's Fields E.L.  sate E.L.  N.R. & E.L.	22585 15478 17490 9718 6102	18 19 10 2 5	28 -	2 1 3 -	1	11111	1 4 2 1 1	11111	11111	1 1 1 1 1	11111	11111	1111		5	8	18	1111
Jeorge's North E.L. John, St. George East W - E.L.	38747 8410	37 4	8 9	ة 1	6	В	-	=	-	=	-	-	-	-		1	6	-
ilfi E.L. N.R. ehouse E.L.	10895 16107 32041	8 26	8 5 11	3 2 4	2 2	=	=	-	-	-		-			=	-	4	1
End Old Town West - E.L. End Old Town East Www.H-E.L.	37960 67653	38 38	11 21	3 8	1 5	-	1 -	-	-	2	-	-		-	ĩ	1 4	8	1 1
mley wwwH E.L. lar WWH E.L.	87074 64859 85077	19 78 49	11 20 17	3 9 4	4 8 4		-	111		1 2	111	111	111	111	1	1 1	2 5 3	
South Districts.  Savious Southwark	13663 14999 21381 15953 21318 26672 59555 21623	7 5 19 14 14 19 41 18	3 9 10 8 5 9 29 6	1 3 4 - 3 5 -	1 6 2	11111111	1 2 1 - 1 2 -	11111111		1 1 1 1 1 1	11111111	1111111	1111111	111111111	1 1 - 1	1 2	3 1 6	1
lave WH 8. & L. ther Market 8. & L. Mary Magdalen W - 8. James Bermondsey - 8. zerhithe WH 8. & K.	11956 16300 15669 54682 36024	3 11 14 42 28	19 4 8 12 8	2 1 3 4 2	1 2 2 1	11111	- 8 - 1	11111	2	2 -			-	11111	1111	2 1 -	16 1 2	11111
srloo-road ist H - L. & S. terloo-road 2nd H - L. & S. iseth Church 1st H - L. & S. iseth Church 1st H - L. & S. iseth Church 2nd WW - L. & S. nington 1st - S. & L. nington 2nd - S. & L. ton 500 - L. & S. & L. L. L. & L. & L. & L. & L.	15195 16351 19876 39859 45282 35882 62887 19017	14 16 8 31 88 13 51 13	8 3 16 23 17 7 18 2	3 - 54 - 52 8 -	1 2 6 8 2 5 -	11111111	11111	1111111	1 2 1	2 1 1		11111111	1111111		1	3 1 1 1 1 -	9 14	11111111
Battersea WwH S. tb Battersea WwH S. ham H S. idsworth WHL S. ley S. atham L.	54675 52587 36380 28004 18235 25558	47 50 19 34 9 17	12 22 9 10 4 8	8 8 5 4 2 1	4 4 3 1 - 8	111111	1 1		1	1	111111	11111	11111	11111	1	2 -	2 -	1
wich wuL*L* - I. & S. & L. tham $W$ - S. Canberwell - S. & L. L. & S. L. & S.	5590 59104 71089 50810	1 37 52 36	2 36 23 9	8 6 1	9 6 2	-	2 1	1111	1	ì	1111	1	1111	1111	i	1 1	20	1
Paul Deptford was 'K. Vicholas Deptford K. Suwich West H K. SDWich East WHH K.	76752 7901 21972 24608	62 3 9 16	88 -6 17	8 - 2 1	3 - 2 4		2 - 1	8	1		1111	1111	1111	1111	1.1.1.1	1	12	1 1 1 63
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	1 9 16 20	1 4 6 6	1 2	1		2 -	1111	1111	1 1 1 08	1111	1111	1111	1111	1111		0 0 4 -	1111
riton $H$ $K$ .  which Dockyard $K$ ,  which Arsenal $HH$ $K$ ,  ustead, West $H$ $K$ .  nstead, East $W$ $K$ .	10980 17617 19048 14009 19241	10 10 21 10 18	5 3 10 3 8	1 1 8 - 3	2 1 2 - 2		1 1 1	11111		1111	11111	11111	11111	11111	2 -	1 2 -	1 1	11111
ropolitan Asylum Hospitals: Dartford w Winchmore Hill w	-	111	-		111			-		11.15	111	111	111				-	111

WORKBOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the

I fable by w:
Larylebone infirmary in Kensington Town sub-district.
eutral London Sick Asylum in Tottennam Court-road sub-district.
inborn indrmary in Upper Holloway sub-district.
indicated the Hoston New Town sub-district.

Mile End Old Town Eastern aub-district.

Mile End Old Town Eastern sub-district.

Private Lunatic Asylums in which paupers are received.

Stepney Workhouse in Bromley sub-district.

Poplar a Stepney Siek Asylum
Westmaster Union Industrial School in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Indimeny in Camberwell sub-district.

Metropoutan Asylum District Hospitals in Fulnam. Hampstead, Hackney, Brixton, and St. Paul, Deptord sub-districts, and in Dartford, and Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING .- AREA; POPULATION: BIRTHS and DEATHS registered during

-				We	ek en	ding	Satur	day,	25th	May	, 1889	9.					
Regis-		Area				1			The D	EATH	regist	ered is	a the	Week	include		
tration District		Acres,	Enume-		١.	Des	ths of	1	. ,	. :	Death	s from					
and	REGISTRATION	ding	rated Popu-	HB.	DEATHS.	F 1	1 60 vds.		1	1 :		ugh.				*	Publio
Sub- district	SUB-DISTRICTS.	Tidal Water	lation.	BIRTHS.	DEA	under of Age.	aged & upw	ox.		Fever.	ria.	ng-de		į	9	Case	in P
Num-		Fore-	1881.			Infants	Persons Years	Small-pox.	Monsios	Seariet	Diphtheria.	Whooping-sough	Forer.	Diarrhosa	Violense.	Inquest Cases.	Deaths in
-		shore.				In	Pox	Su	N	30	ā	*	-	ia	× ×	=	à
LO	NDON-OUTER RING	370,924	950,957	790	323	63	74	-	15	4	4	9	1	3	16	22	40
30:1	Carshalton wL : -:	12228	21118	11	-	1	5							_			8
2	Epsom (part of) * WwH	9971	10710	11 8	11	-	-	-	-	-		-	-	٠.	-	-	- 6
37:1	Godstone (part of) * -	2754	1235	2	-	-	, =	-	-	-	-	-		-	-	-	+
38:1	Croydon WwHHL -	20851 11697	101241	63 17 -	. 36	8	10		2 .	-	1	1.			1	2	8
89:1	Wimbledon HHH -	3220	17981	15	4	1	2	١ ـ ١	-	1.	-	2	-	-	-	-	- 7
2 8	Kingston WHH Esher (part of).*	8549 6601	36354 9221	21	13	8	4		-	-	-	2	-	-	1	1	1 %
	Hampton H	4573	13589	11	5	1	1		1	-			-		1	1	-
40:1	Richmond WH Mortlake	2972 2941	21302 12831	15 14	8	2 3	2			-	Ī		-	-	-		4
0:1	Bromley (pt. of) * HH	15669	81142	30	13	4	2	-	-	1	-,	-	1	-	1.	1	1
43;1	Chishrst(pt.of)* WHH  Bexley H	14307	15844 24134	15	5	2	2		1	-	1				2	2	~ 1
3	Dartford (Ww, pts. of)*	-	-	-	-	-	-	-	-	-	-	-	-	~	-		-
124: 1	Staines W	11055 13277	11685 12089	10	3	-	1 -	-	-		-	-	-	-	-	-	
125:1	Hillingdon WHH -	6029	10803	6	-	-			-,	-	-	-	-	-	- 1	-	- 5
3	Uxbridge Hayes wHL	6178 14587	3225 11528	9	7	1	.3	-	-	-	-		-		-	-	5
128:1	Isleworth WHH -	7008 2477	22727 12479	25	12 2	3	-6	-	,	. ; <u>-</u> -	-	1-	+	-	1	2	8
3	Brentford HL	4345	27649	13	6	1	2	-	-		-	-	-	-	2	2	-
5	Acton wH	1340 -8083	15975 22876	13	2	1	- 8	-	. 2	, <del>-</del>		17	-	-	-	1	-
127:1	Harrow H	13809	12796	4	1.	-	:	-		-1	-	-	4	-	-	-	-
3	Willesden	6994 4388	3749 27453	28	11	8	3	-	-		-	-	-	-	-	-	-
137:1	Hendon W	9331	10484	5	5	1	-1	-	-	-	-	-	-	-	1	1	-
3	Watford (W, pt. of) -	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
128:1	South Mimms Barnet	15599 5433	6391 100 <b>92</b>	12	4	-	- 2		-	-	-	-		-	-	-	-
3	Finehicy HL	4688	17615	15	8	-	2			-	-	-	-	-	-	-	5
135:1	Hatfield (part of) * - Hornsey H	3089	568 37078	. 82	9	1	-		-	-	,-		-	1-	-	-	7
2 8	Tottenham H Edmonton Ww ‡ -	4642 7483	46456	57	24	8	3 4		. 1	-	1	-		-2	1	2	-
4	Enfield WH	12653	23463 19104	18	9 8	1	4	-	-		-	-	-	-	-	1	2
8	Waltham Abbey Cheshunt	11017 8480	3368 7735	3	1	-	-	-	-	-	-	-	-	-	-	-	- 1
186:1	Stratford West Ham woww H\$-	882 7351	38 <b>60</b> 6 101053	53	14	4	2	-	2	1.	-	-	-	1	3	2	-
	Leyton WwL	4372	82430	96 34	22	7 2	7	-	2	.1.	-	1	-	-	1	2	7
187 : 1	Chigwell (part of) * H	6590 11761	28869 2869	47	11 2	5	-	- 1	-	-1	-	-	-	-	1	1	
189:1	Epping (W, pt. of)* -	-		•		-	-	-	-		-	-	-	-	1 -	1 -	-
2	Romford (part of) * W	6730 8493	7645	6	1 2		-	- 1	1	- 1	-	-			-		-
3	Barking Town	4127	9203	10	.1	1	-	-	-	** -	-	-	-	-	-	-	- 1

<sup>•</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as tomes 30:2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstones district; 39:3. Esher sub-district, except the parish of Esher (pop. 1983); 41:1, Bromney sub-district, except the parish of Sherring and Farley in Godstones sub-district. Except the parish of Chelsfield (pop. 1818); 41:2, Chigwell sub-district, except the parish of Theydon Bois (pop. 187:1, 189:1, the parish of Mortana in Hatt also deaths in Workhouses belonging to the Outer Ring-in 42-2, Dartford, 187:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

† Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winnh more Hill (see Table 5).

† Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

BLE 7.-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of MORTALITY during the Week ending Saturday, 25th May, 1889.

			ANNUA	L RATE			The DE	ATHS	regi	stered	l in t	he W	eek i	nelud	8	
REATER	Area in Acres,	Estimated		D living.	DEATHS	Deat	hs of			1	Death	s from	m			blio.
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Faver.	Diarrhos.	Violence.	Deaths in Public Institutions.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
TER LONDON	448,334	5,642,015	14.7	1.7	1590	364	360	-	62	20	25	57	7	16	64	383
NEE LONDON -	77,410 370,924	4,351,738 1,290,277	15.2	1.8	1267 323	301 63	286 74		47 15	16	21	48	6	13	48 16	343 40

rs.—The area of Greater London is 448,534 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 1.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,606,200 Persons.

						ANNUAL	DE	ATHS	FROM D	PRINC		ZYMOI	_
CITIES.	POPULATION (enumerated or estimated).	DATE OF RET	URW.	BIRTHS.	DEATHS.  f Stillborn.	DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrheal Diseases.
OUTTA	435,219	March	30	-	-		1 -	-	-	-	0 -	-	4
BAY	778,196	April	30	280	470	31.7	22	30	?	. 2 .	. 2	137	36†
DRAS	398,777	March	22	341	343	44.7	2	48	9	5	P	72	51†
18	2,260,945	May	18	1248	922	21.2	2	17	6	42*	6	12	54
8 Faubourgs.)	471,606	*	18	253	131	14.4	-	- 1	-	-	-	1	13
TERDAM -	403,083		18	258	171	22.2	-	7	-		. 2	- 1	4
TERDAM -	197,723	"	18	133	90	23.6	12	12	-	~	-	- 1	4
HAGUE -	153,440	20	18	97	52	17.6	-		.75	1	-	-	: 4
BRHAGEN -	307,000		11	206	135	22.9	-		1	7	5	1-4	: 3
CKHOLM -	221,549	. ,	11	148	90	20.2	-	-	- 4	2*	2	. 1	10
RISTIANIA -	138,30)	**	18	67	49	18.4	-	-	1	5	8	-	2
PETERSBURG	842,883	39	11	-	595	36.8	1	1	6	5	9	26	72
RLIN	1,470,582	99	4	900	610	21.4	-	3	4	13	12	4	42
MBURG(State)	675,276	98"	11	450	291	26.4	1 7	-	2	7*	4	. 1	13
REDEN	264,196	9.	11	192	95	18:7	1 5	1	-	1	3	-	6
ESLAU	315,000	29	18	216	203	33.8	-	3	2	6*	-	-	23
MICH	281,000	23	11	204	185	34.2	1	. 3	4	6*	8	-	25 19
SHRT	811,434	10	11	581	461	29.5	1	11	2	7	3 2	4	19
AGUE	002,000	, n	11	-	185	31.7	10	3	2	; 9	3	2	26
DA-PRSTH .		"	11	327	268	30.8	-	-	1	5	9	1	20
IBSTE	158,084	19	11		69	22.7	-	-	-			1	
ME -	461,044	April	6	245	205	26.6	3	5	1	4	-	6‡	,
PRIN (10 days)	- 306,398	91	20	243	202	24.1	-	5	2	. 4	2	. 1	10
NICE .	153,375	May	11	88	89	30.3	7	2	-	-	2	-	8
IRO -	374,938	,,	2	366	386	53.7	12	3	-	-	4	26	133
	231,396	19	2	186	187	42.2	2	9	-	1	-	7	55
	1,549,500		4		731	24.6	1 -	8	34	56	20	2	12
	814,505	"	4		333	21.2	1 -	3	8	27	3	1	4
ITADELPHIA	1	33	4	- 11	402	20.2	1 -	5	9	7	5	10	4
LITIMORE	500,843	22	4	11	152	15:9			1	2	-	2	1
		1		1)	1	11	- 1	1	1		-	-	

<sup>\*</sup> Including deaths from croup.
† Including 4 deaths from cholera in Bombay, and 2 in Madras.
‡ Including 4 deaths from malarial fever,

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 25th May, 1889. Under the Superintendence of the Astronomer Royal.]

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no corrected into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1878 for the baroneter, and during the twenty years ending 1878 for the baroneter, and during the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer is considered in the corrected mean of the readings of the maximum of the dry bulb thermometer is combined and controlled and minimum thermometers, forming the mean daily value of tensitive of the air (column). The mean daily day point temperature and degree of humidity are deduced (column). metrical Tables.

The average temperature of the air is that derived from a discussion of the photographic The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are :--P. positive; N. negative; w. weak; m. moderate; s. strong; and the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875. In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average. The thermometers in the water of the Thames are suspended at a depth of two feet below The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show 27 the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, their readings are registered by the Clerk of the Market, under instructions from Corporation of London. Sum 0.91 in. 00.0 00.0 20.0 00.0 90.0 26 Average of 16 Years. Miles. -125 -111 -161 14 Sum -767 Robinson's. Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. Movement of the Air on each Horizontal 170 mns 967 24 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. Mean of 24 hourly obs. o.o 0.0 23 Pressure on the Square Foot. .sq1 0.0 Least. 0.0 0.0 23 Great-6.0 est. 21 civil day, or from midnight to midnight. Osler's. Calma NNE. NE. & ESE. WSW. N. & NNE. W. & NNE. N. & NNE. S. & SSE. Variable. ESE. P.M. 20 General Direction. Variable. NNE. & NE. SSE. & SSW. NNE. P.N. Calm & SE. Calm & S. WSW. A.M. 19 of the Water of the Thames at Deptford. 58.0 57.9 59.6 1.09 8.09 65.3 2.69 8.29 LOW. est. 18 0 v. variable. TEMPERATURE. High. 6.89 58.80 6.89 0.09 0.19 62.1 63.0 4.09 est. 0 17 Lowest on the Grass. 38.0 43.3 9.09 1.5 16 Of Radiation, Overcast and showery in morning; partially cloudy and tine till evening; overcast afterwards, with casional rain. Lightning at night. fine morning; partially cloudy Fine and partially cloudy till evening; cloudless and very fine atterwards. morning; a severe in afternoon; cloudand Very fine throughout, with small amounts of cloud Lightning and thunder at night. A very hot day. High-est in Sun's Rays. 10.0 27.5 45.2 129.0 132.3 1.05 0 Foggy fog in morning; very light cloud till evening, of Hu-midity (Satuequals 100). 89 92 33 29 76 67 63 22 14 GENERAL REMARKS. rain. Difference between the Air Temperature and Dew Point Temperature. Least. 1.0 13 occasional Cloudless and very fine in hunderstorm with heavy rain i Great-15.4 15.8 22.2 25.0 8.41 1.91 est. 12 Cloudy with slight fog afterwards with little light cloudless. A very hot day. Cloudy and showery in and fine afterwards. Mean daily value. Generally overcast; 9.1 1 cloomy in afternoon, ind fine till e Of the Dew Point. Mean daily value. 51.5 53.5 53.6 2.79 0.99 2.99 P.79 1.89 0 De-from Average of 9.6 9.4 4.9 +12.4 5. put + + TEMPERATURE Mean daily 53.1 9.99 2.09 6.19 Registered Sun above Sunshine, Horizon, in hours. in hours. 63.5 1.49 90 Sum 1111 12.4 8.91 8.91 6.91 6.91 0.91 Of the Air. Range, 32.2 Daily 8.91 1.58 \$.67 25.2 8.47 9.91 6.61 7 4.0 2.2 18.5 2.8 4.4 45.3 21.1 51.3 52.5 Low-53.1 54.0 8.09 est. 9 2.92 2.19 2.17 85.2 82.2 75.1 est. 0 10 was not in action throughout the week. (For explanation of symbols, see Note.) rected and reduced to 32° Fahren. 036.65 in. 29.450 206.66 29.888 29.895 004.66 In uator. of the ast Or The 19 20 21 22 24 13 55 20 24 KONTE AND 1889. No. of Col. MAY. WEDNESDAY. TRUBBDAY . SATURDAY. DATE. MAY. MEANS THURS. Mon. WED. MONDAY TORRDAY SUN. SONDAY FRIDAY

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

AND IN

#### TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

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No. 22. 1889. Vol. L.]

WEEK ENDING SATURDAY, JUNE 1.

Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, 3rd June, 1889.

### TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 16.5 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	1	Weeks	ending					Weeks	ending	
Towns.	May 11.	May 18.	May 25.	June 1.	Towns.		May 11.	May 18.	May 25.	June 1.
Birkenhead	20.4	14.8	14.8	15.3	Liverpool -		19.1	16.0	17.5	18.3
Birmingham	18.6	18.6	16.3	16.9	London -				15.2	
Blackburn -	25.0	22.4	19.8	17.6	Manchester	•	31.2	28.2	28.8	25.1
Bolton -	28.7	22.7	28.2	21.4	Newcastle-on-Tyr	ie*	24.0	23.7	24.6	25.9
Bradford* -	23.1	20.0	17.8	12.7		-	22.1	11.0	15.2	17.1
Brighton -	15.9	15.9	12.9	13.7	Nottingham	-			19.1	
Bristol -	17.1	15.2	16.6	13.6	Oldham -	-			20.2	
Cardiff* -	14.8	23.6	14.8	17.6	Plymouth -	•	22.0	20.7	28.7	29.4
Derby -	16.4	15.9	12.2	14.8	Portsmouth	-			13.3	
Halifax -	32.2	25.7	22.5	25.7	Preston -	-		38.1		
Huddersfield	19.7	16.9	15.2	18.0	Salford* -	-	21.2	18.7	21.8	17.4
Hull	23.6	18.6	17.1	20.6	Sheffield -	•			17.1	
Leeds -	23.6				Sunderland	-	~ •		21.0	
Leicester* -	16.6	11.1	12.1	14.9	Wolverhampton	-	22.1	19.0	14.5	15.2

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1·3 in Leeds and in Salford, 1·7 in Blackburn, 1·9 in Halifax, 2·3 in Manchester, 4·5 in Bolton and in Hull, and 10·5 in Preston; from scarlet fever, 1.1 in Huddersfield, 1.3 in Blackburn and in Sheffield, and 6.7 in Plymouth; and from whooping-cough, 1.1 in Bradford, 1.3 in Plymouth, 1.5 in Birkenhead, 2.3 in Bolton, and 2.5 in Preston. The death-rate from "fever" did not reach 1.0 in any of the twenty-eight towns. The 29 deaths from diphtheria in these towns included 16 in London, 4 in Portsmouth, and 3 in Newcastle-upon-Tyne. Smallpox caused no death in any of the twenty-eight great towns.

LONDON.

In LONDON 2405 BIRTHS and 1151 DEATHS were registered. Allowing for increase of population, the births were 253, and the deaths 370, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 14.8 and 15.2 in the two preceding weeks, declined last week to 13.8. This is the lowest death-rate as yet recorded in London in any week; the rate was, however, equally low in the fourth week of September 1885. During the first nine weeks of the current quarter the death-

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

rate averaged 16.4 per 1000, and was 3.7 below the mean rate in the corresponding

periods of the ten years 1879-88.

The 1151 deaths included 31 from measles, 4 from scarlet fever, 16 from diphtheria, 49 from whooping-cough, 9 from enteric fever, 14 from diarrhea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or cholera; thus, 123 deaths were referred to these diseases, being 105 below the corrected average weekly number.

No death from small pox was registered, the corrected average being 19; no small-pox patient was under treatment at the end of the week in the Metropolitan Asylum Hospitals, or in the Highgate Small-pox Hospital. The death of a child, aged 7 years, in Pancras, was attributed to chicken-pox. The deaths from measles, which had declined in the four preceding weeks from 68 to 47, further fell last week to 31, and were 43 below the corrected average; 4 belonged to Islington, 2 to Newington, 2 to Rotherhithe, and 4 to Greenwich sanitary areas. The fatal cases of scarlet fever, which had been 7 and 16 in the two preceding weeks, declined last week to 4, and were 26 below the corrected average. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 587 scarlet fever patients, against 610 and 603 on the two preceding Saturdays; 49 cases were admitted to these hospitals during the week, against 65 and 57 in the two previous weeks. The deaths from diphtheria, which had been 24 and 21 in the two preceding weeks, further declined last week to 16, and corresponded with the corrected average; 2 belonged to Kensington, 2 to Newington, and 2 to Lambeth sanitary areas. The 49 fatal cases of whooping-cough showed a further slight increase upon the numbers in the two previous weeks, but were 10 below the corrected average; 3 belonged to Pancras, 7 to Islington, 4 to Hackney, 4 to Poplar, 5 to Newington, 3 to Bermondsey, 3 to Lambeth, 3 to Battersea, and 3 to Greenwich sanitary areas. The deaths attributed to diarrhea and dysentery, which had been 14 and 13 in the two preceding weeks, rose again last week to 14, but were 2 below the corrected average; 9 were of infants aged under one year.

The deaths referred to enteric fever, which had been 7 and 5 in the two preceding weeks, rose last week to 9, but were 2 below the corrected average. The Metropolitan Asylum Hospitals contained 13 cases of enteric fever, and not one of typhus on Saturday last; 3 cases of enteric fever were admitted during

the week, against 2 and 1 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 217 and 177 in the two preceding weeks, further declined last week to 162, and were

104 below the corrected average.

Different forms of violence caused 55 deaths; 43 were the result of negligence or accident, among which were 22 from fractures and contusions, 2 from burns and scalds, 8 from drowning, 3 from poison, 1 from the accidental inhalation of chloroform, and 6 of infants under one year of age from suffocation. The 22 deaths from fractures and contusions were thus caused:—9 by accidents from vehicles or horses in the streets; 1 by accident on railway; 1 by injuries from fall of barrel of vinegar; 1 by fall from plank; 1 by fall from loft; 1 by fall down stairs in a ship; 2 by fall in room; 3 by fall (2 during intoxication), the nature of which was not stated; I from injury by machinery; and 2 by blow from swing. An inquest was held in each of these cases. Eleven cases of suicide were registered, corresponding with the corrected average.

GREATER LONDON.

In Greater London 3230 births and 1443 deaths were registered, corresponding to annual rates of 29.9 and 13.3 per 1000 of the estimated population. In the Outer Ring 10 fatal cases of whooping-cough and 8 of measles were registered. Two deaths from scarlet fever occurred in West Ham sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.61 ins.; the lowest reading was 29.45 ins. at the beginning of the week, and the highest 29.80 ins. on Saturday morning. The mean temperature of the air was 55.7, and 1.1 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on each of the first six days of the week, whereas it showed an excess on Saturday. The general direction of the wind was S.S.W., and the horizontal movement of the air averaged 11.1 miles per hour, which was 0.8 mile above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 1.33 inch. The duration of registered bright sunshine in the week was 47.2 hours, against 38.2 hours at Glynde Place, Lewes. against 38.2 hours at Glynde Place, Lewes.

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TABLE 1BIR	Registered during	1st June, 1889.	BIRTES. DI		1	5495	2405		1 20	39	117	2	250	94	701	79	358	62	241	163	64	80	200	35	115	208	190	141	107	202	177	894	08.7
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		estimated to the middle of	the Year 1889.		-	9,555,406	4,351,738	121,807	141,253	78,225	229,361	82,544	454,835	150,520	287,812	98,529	606.562	114,670	878,800	234,283	142,405	121,275	92,825	81,080	255,056	357,449	327,227	208,017	160,988	112,712	266,900	528,144	0000,00
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Table 2. LONDON.—Births and Deaths Registered in the Twenty-second Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
TOTAL Births	2372	2489	2578	2176	2622	2549	2409	2537	2148	2491	2657.5	2405
Males Females .	1176	1270	1816 1262	1109	1322 1300	12^0 1258	1228 1181	1311 1226	1079	1275 1216	1849·6 1807·9	1214 1191
Total Deaths	1427	1306	1507	1304	1405	1476	1521	1235	1417	1323	1521.3	1151
Males Females .	758 669	685 621	782 725	704 600	754 651	795 681	765 756	634 601	798 649	697 626	803·9 717·4	607 544

The numbers in this column are the average weekly numbers in the twenty-second weeks of the ten years 1879-88, raised by 9.046 per cent, for increase of population,

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

		-										IEEN	VV Line	
		Mar. 9.	Mar. 16.	Mar. 23.	Mar. 30.	Apr.	Apr. 13.	Apr. 20.	Apr. 27.	May	May	May 18.	May 25.	June 1.
TOTAL	Births	2698	2699	2670	2803	2676	2509	2488	2522	2712	2565	2648	2402	2405
TOTAL	Deaths	1637	1638	1554	1476	1572	1493	1426	1462	1386	1295	1231	1267	1151
Ages at Death	0-20 years - 20-40 , - 40-60 , - 60-80 , - at 80 years & upwds.	695 175 309 391 67	719 188 298 357 76	666 165 274 366 83	642 200 274 287 73	729 175 2>7 305 76	671 183 266 310 63	670 174 214 299 69	708 171 256 264 63	626 184 265 258 52	577 175 251 245 47	571 169 205 232 54	608 152 221 224 62	506 143 209 237 51
9 <b>V</b>	Under 1 year	322 277 96	362 249 108	317 276 73	316 242 84	368 261 100	322 251 98	299 279 92	361 273 74	309 246 71	287 218 72	267 225 79	301 222 85	242 181 83
Deaths fi	rom Small-pox "	_		-	_		1							
37 6 8 11	, Measles	76	60	84	56	74	72	70	65	68	60	53	-	
• • • • • • • • • • • • • • • • • • • •	" Scarlet fever -	16	16	6	11	15	13	10	9	15	10	7	16	31 4
37	" Diphtheria -	20	31	23	18	26	36	22	29	21	28	24	21	16
71	,, Whooping-cough Typhus	29	37	42	51	49	43	51	56	55	37	36	48	49
99 19	Enteric fever -	4	6	4	8	9	1 10	6	3	- 5	- 5		-	
32	" SimpleContafever	3	-	_	_	-	10		1	2	4	7	5	9
"	" Diarrhoea and )	15	14	18	9	17	11	10					_	
,,	Dysentery - 5 ,, Cholera	-	2	-	_	-	_	10	18	12	10	14	13	14
"	" all the above- ) mentioned Diseases }	163	166	177	153	190	187	169	181	178	149	142	152	123
,,	" Dis. of Respira- )	402	396	o#o	000						110	112	102	120
	tory System §			378	332	364	294	300	305	242	213	217	177	162
17	,, Phthisis Dis. of Circula-)	161	162	139	153	170	152	128	164	143	125	187	148	144
"	tory System	150	157	127	153	146	135	98	119	154	134	97	98	101
Violent I	Deaths	52	63	53	52	69	68	57	69	55	cc	C 2	40	
Inquest (	Cases	114	127	111	125	130	130	111	116	107	66 125	51 85	48 89	55
Deaths in	Public Institutions	395	378	366	354	340	325	315	331	315	310	311	342	104
	TURE OF THE AIR	0	0	c	0	0	0	0	0					
Mean	C High set wooding	37.4	38.8	42.5	45.6	43.5	43.5	46.5	47.5	50.8	57.7	54.0	61.9	55.7
	of Highest readings - of Lowest readings -	28.9	31.2	35.7	54.6	51.8	50·4 38·6	55·3 39·8	57.8	61.9	67.9	64.5	75.1	64.9
2.70011	J. Donest readings -			,	00 0	0, 4	00 0	39.8	39.1	41.5	49.1	46.7	50 8	48.0
_	of the Air	75	03	80	81	78	90	84	80	79	77	85	77	82
	in inches	0.54	0.04	0.53	0.11	0.27	0.56	0.10	0.75	0.79	0.41	0.19	0.51	1.33
Registere	ed Sunshine (in hours)	26.0	14.8	18.4	14.3	21.3	8.6	12.5	31.3	39.8	37.5	27.7	49.1	47.2
						_		_			-			1

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following rentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., Ll.D., Plymouth R. C. Cann Lippincott, Esq., Bristol; E. Sumpson, Esq., Wrottesley, Wolverham J. L. Henry Tomkins, Esq., M.D., Leicester; Arthur Erown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-Ft.S., F.R.Met.Soc., Bradford; Mr. E. Penk, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sungerland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 2. LONDON.—DEATHS Registered at several groups of Ades from different Causes in the

				Tw	EN	ry-s	ECC	ND	We	eek of the Year 1889									
	s for the		In	the	Wee	ek en t Jun	ding e 188				for the years			n the					and the same
	ges for		De	aths	of F	Perso	ns of				iges fo	-		aths			ns of		
CAUSES OF DEATH.	rected Averages nd Weeks of the 10 1879-88.	AGES.		nder 20.	.20.	and under 40.	and under 60.	and under 80.	Years and	CAUSES OF DEATH.	Corrected Averages for 22nd Weeks of the 10 y 1879-88.*	f, Ages,	-	Inder 20.	.pg.	and under 40.	and under 60.	and under 80.	nears and
	Corre 22nd	ALL	0-1	1-5.	5-2	20 a	408	60 8	200		Cor	ALL	0-1	1-1	6-2	211.8	40 a	60 8	US.
ALL GAUSES	1521.3	1151	242	181	83	148	209	237	51	Diseases of Organs of Special Sense † }	1.8	1	-	-	-	-	1	1	
Small- pox Vaccinate l Vnvaccinate l No Statement	}19.2	-	-	-	-	-		-	-	Diseases of Circulatory System }	102.9	101	1	1	3	15	39	86	6
Measles Searlst Fever	73·9 29·8 0·9	31 4 -	6 -	8	i	-	-		1 1 1	Croup Bronchitis	9.8 135.4 86.6 5.7	7 87 49 4	1 23 12 1	4 18 22	2 1 -	2 1 1	9 5	29	- 5
Relapsing Fever'? Influenza Whooping-cough	0.0 0.0 59.1	49	21	27	1	-	-	-	1 1 4	Other Diseases of Respi- ratory System}	28.6	15	3	5	-	3	3	1	-
Diphtheria Simple Continued and \ Ill-defined Fever \ Enteric Fever	11.4	16 -		9	7 2	- 5	-	- 4	-	Quinsy, Sore Throat † - Enteritis Peritonitis Diseases of Liver Other Diseases of)	2:0 7:3 6:3 82:9 30:4	3 3 8 20 26	2 - 3 6	1 - 2	11111	1 2 3	3 6	1 1 8	- 1111
Oholera Diarrhœa, Dysentery - Remittent Fever† Hydrophobia	0.2 10.1 0.0	1i -	9	2	1	-	1 1 1 1	1 -	1	Diseases of Lymphatic System & of Ductless Glands †	2.4	2		1	-	1	-	-	-
Glanders Cowpox and Effects of Vaccination † }	0°0 0°2 10°5	1 7	1	- !	-	-	-	- 1	-	Diseases of Urinary System -	33.1	53	2	1-	4	5	17	23	2
Yenereal Affections - Erysipelas Pyæmia and Septicæmia † Puerperal Feyer - *-	5°2 2°4 3°8	5 8	1	1	1 - 2	- 4	1	2 -	1	Diseases of Generative   System   Accidents of Childbirth -	6.9	6 8	-		1	2 3	3 ,	-	-
Other Zymotic Diseases †	2.4	1 -	-	-	1			-	-	Diseases of Locomotive System † }	7.0	8	1	-	3	1	i	3	-
Worms and other Para-}	0.1	-		-		_	-		-	Diseases of Integumen- tary System}	4.8	2	-	-	-	-	1	-	1
Starvation, Want of Breast-milk †}	6.0	2 7	2	-		4	3	-	-	VIOLENT DEATHS.\$ Accident.)									
Rheumatic Fever. Rheumatism of Heart† Rheumatism †	7.0	5	-	-	2	2	-	1	-	Fracture and Contusion Gunshot Wound Cut, Stab Burn and Seald Poison	22·2 0·1 0·4 3·9	22 - 2	11111	1	81141	7	5		1
Gout Cancer	3.9 4.1 52.9 24.8	5 59 16	2 1 9	3 - 5	- 2	- 5	23	29	1	Drowning Suffocation Otherwise	11.1	8 7 1	6	1	4	-	1	- -	-
Tubercular Meningitis - Phthisis Serofula, Tuberculosis -	33°0 168°1 18°4	24 144 14	4 3 4	13	7 21 1	59	48	13		(Homicide.) Murder & Manslaughter	8.3	1	1	-		-	-	-	-
Other Constitutional Diseases †}	34.7	13 3 i	34	-	1	2	6	4	-	(SUICIDE.) Gunshot Wound Cut, Stab Poison	0.8	1 8	-		1	1	2	-	
Premature Birth Atelectasis † Congenital Malforma- tions	8.0	1 2	1 2		-		-	-	-	Drowning Hanging Otherwise	2·4 1·7 2·3 1·1	3 3 1	-	-	1	1	2 1	2	
Apoplexy	41.8	39 34 8	-	1	-	4	6 2	19 20 1	20 8 1	(Execution.) Hanging	0.0	100	2.0	-			- 1	-	-
Convulsions Other Diseases of Brain and Nervous System	45.8	89 70	35 14	16	4	3 -	10	17	5	OTHER CAUSES †	54.9	29	22	3	-	1	2	1	-
			_		-							_	_	_	-	- 200	_	-	-

A 58256.-9.

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9045 per cent, for increase of population.

As the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the decessed has, or has not, been vaccinated, or when the cause of dash is not certified by a registered editioner, the case is returned under the heading "no statement,"

The evidence at inquest is often insulficient to enable the Coroner to certify whether a violent death be the result of society, murder, and aughter, or suicide. All such cases are classed under "accident or negligenes."

TABLE S. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SOARI; during the Week ending

								_						_	inde			
							The	DEA	THE				e Was	- IN	inde		,	-
A STATE OF THE PARTY OF THE PAR	Enume-			Deat	the of			1		-	ha fir		-	,	1		. Tie	36
REGISTRATION	Fopu-	98.	TBr.	ler 1	ged 60			or.		-court		POVO	Yer.			Cases.	Publie	Can
SUB-DISTRICTS.	lation, 1881.	Birth	DEATE	of Age.	60 M	pox.		Fever	IOTIA	-Buic	1	oid)	d Fe	hoea.	106.		eaths in Pu	pent
		Total	Total	Infants	Persons Years	Small-pox.	Measle	Searlet	Diphtheria	hooping	Typhus.	Enterie (or Lyphoid) Fever	Simple con-	Distribus	Violense.	laquest		Uncertified Cau
			-	=	Pe	20		20	<u> </u>	2	-	3	2	1-	-	1-	1	
LONDON	3,815,704	2405	1151	242	288	-	31	4	16	49	-	9		14	55	104	290	
WEST DISTRICTS	669,688	330	211 248	36 47	66 64	-	6	2	4 2	7	-	2	-	8	8 5	20 15	60	
NORTH DISTRICTS	905,947 282,288	571 181	81	14	20	-	-	1	2 2	5	-	1 2	! -1	2 2	16	11 25	25 62	
East Districts - "	692,788 1,265,148	490 883	210 401	105	55 83	-	14	1	6	22	-	3	_	6	21:	83	69	1
METROPOLITAN ASYLUM POS- PITALS OUTSIDE REGISTRATION	-				_	-	-	-		-	-	-	-	-	-	-	-	-
WEST DISTRICTS.							,	-							1	4	7	
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 87880	36 4	17	2 2	6 5	-	1 -	-	1	-	-	-	-	2	3	4	10	-
Rensington Town Ww - W.M. & C.	190141 48010	56 15	37 19	6 3	16 2			-	-	-	-	ī		-	2 -	3 -	6	-
St. Peter Hammersmith W.M. St. Paul Hammersmith H W.M. & G.J. Fulham Www W.M. & C.	7899 64340 42900	88 53	19 20	2 5	9	-	1	-	2 1	1 2	-	E	-	-	1 -	2	3	
Chelses South HHH - C.	0396 21925	39 18	12 15	2 2	2 5	-	-		-	- 2		=	-	- 1	-	ī	8	4
Chelsea North-east - C.	32807 30353	18	8	2	6	-	1	-	_	-	-	1	-	-	-	-	7 4	-
Belgrave WHHH C. St. John Westminster HHH - C. St. Margaret Westminster H - C.	59220 85496 24679	25 18 6	11 7 6	2 2	2 1 1	-	1	-	-	1	-	= .		~	-	-	1	-
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	29941 16608	3 7	12	2	4	-	1 .	=	-	1 -	-	- 1	-	-	-	-	3	-
NORTH DISTRICTS.										_	_ 1			_		1	2	
All Souls Marylebone HHHH - W.M. Cavendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M.	26759 14891 24809	15 7 6	6 8 10	2	3 2	-	=	-	-	ī	-	= ;		-	-	-	3	6,65
Christohurch Marylebone IIII - W.M.	21118 33700	31 26	9	4 9	1 1	-	=	=	-	- 1	- 1	-	-	10	=	-	-	-
Hampstead WwwHHHH N.R. & W.M.	33638 45452	15 30	12	5	-	-	-	-	-	-	-	-, ;	-	-	-	- ,	1	~
Regent's Park Paneras H - W.M. Tottenham-court wHHHH N.R.&W.M. Gray's Inn Lane HHH - N.R.	89115 27729 80247	19 10 14	13 5	1 4	3 4	-	1	-	-	1	=	1	-	-	=	2	6 3	4 108
Somers Town H N.R.	84369 17811	33	6 15	8 2	6	-	-	-	-	•.	-	-	-	-	8	3	12	100
Kentish Town W N.R. Upper Holloway WWwH - N.R. Islington South-west HH - N.R.	87487 67946	56 44	25 50	6 7	8 12	-	2	-	-	5	-	-	-	-	-	-	30	4.4
Islington South-west HH - N.R. Islington South-east - N.R. Highbury H - N.R.	100976 61835 52048	60 84 19	17 7 9	2	2 2 1		-	-	=	2	-	-	=	-	1 -	3	- 2	1
Stoke Newington H N.R. Stamford Hill E.L.	22781 9277	12 10	4	1 -	1	-	-	-	-	-	-	- :	-	-	-	-	-	:
West Hackney H N.R. Hackney WwwwH E.L.a.N.R. South Hackney E.L.	87610 76911 39883	19 55 37	8 31 4	4	8	-	2	2	1	3		= 1	-	-	ī	2	8	-
CENTRAL DISTRICTS.									1	1	•							
St. George Bloomsbary N.R. St. Giles South WH N.R. St. Giles North N.R.	16681 14864 13837	12 3	2 2 1	-	2	-	-	-	=	-	-	= :	2	-	-	-	2	-
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H = - N.R.	1750g 7515	5 2	7 3	1	1 1	-	-	-	1	-		-		-	1	2	5	-
Strand Union Workhouse, Edmonton w.	8559	-	7	1	ī	-	-	-	1	-	-	1	-	-	-	1	6	1 1.3
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R. Saftron Hill H N.R.	18671 10706 6538	8 5 4	7	2	3	-	-	-	-	-	-	-	-	=	-	1 -	1 -	4 5
St. James Clerkenweil N.R. Amwell Clerkenweil N.R.	17516 19281	17	4 5	2	1	-	-	-	=	-	-	-	-	-	-	-	-	2.4.6
Pentonville N.R. Goswell-street N.R. Old-street H N.R.	14773 17506 11541	9 16 4	4 1	2	1	-	-	1	-	-	-	-	-	-	-	1	-	9 9
Saffon Hill	18628 9217	19	9 4	1 1	2	-	-	-	-	-	-	-	=	1	1	2 -	1	a i.r
St Rotolph H N.B.&E.L.	11174	3 - 3	2	-	ĭ	-	-	-	-	-	-	-	-	-	-	-	3	1.1
Crippiegate - NR	7198 5858	3	1 1 7	-	1	-	-		-	-	-	=	=	-	- 2	- 2	- 6	1.2.1
St. Bride W N.R. Allhallows Barking N.R. Broad Street H N.R.	8396 18666 5652	1	8	2	1	-	-	=	-	-	-	-		i	-	-	-	1 1
21,111	-000	اند	1		1	-	-	-		-	-	-	- 1	- 1	-	-	-	-

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Work-house E-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving lumates from other Districts than that in which it stands ees note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. significs Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vaurhall; L. Lambeth; N. R. New River; E.L. East London; and K. the Kent Company.

, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIABRHERA, VIOLENCE, &c., registered in each Sub-district

							The	DEA	THS I	egiste	ered i	n the	Wee	k ine	ude			
	Enume-			Deat	hs of				1	Death	s from	n				1	1	1
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterie (or Typhoid) Fever.	Simple con-	Diarrhes.	Violence.	Inquest Cases.	Deaths in Fublic Institutions.	Uncertified Causes
EAST DISTRICTS.  I Shoreditch - N.R. & E.L. ard Shoreditch HL* - N.R. New Town w - N.R. Old Town - N.R. & E.L.	7376 14967 29937 28036 46275	6 9 18 19 40	2 - 8 4 19	1 2 00 00 00	6 - 9	11111	1	11111	11111			11111	11111	1111	1 12 1	8 -	1 9	1 1 2 1 1
r-road H E.L.  Bethnal Green WHL* - E.L.  Bethnal Green E.L.  Sethnal Green E.L.	29738 47932 29981 19810	20 26 25 12	6 13 2 4	2 1 1 2	26 -			1111	1111	1111	1111	1		1111	1	- 1	8	
ds   F.L, & N.R.   d New Town       E.L.	22585 15473 17490 9713 6102	16 19 12 5	5 7 16 2 6	1 2 1 2	2 8 -	11111	1	11111		11111		11111	11111	1111	1 1	5 1 1	5 10	1
ge's North - E.L. , St. George East W - E.L.	88747 8410	35 7	4	1	1 -	-	-	-	1		-	:	-		-	1 -	2	-
E.L. & N.R E.L. & E.L. & E.L.	10895 16107 32041	18 1 16	6 5 8	1 1 1	1 2		-		111					-	1 -	1	3	-
d Old Town West - E.L. d Old Town East WwwH- E.L.	379 <b>6</b> 0 67653	42 29	6 18	2 4	1 6	-	1	-	-	-	-	-	-	-	2	1 3	3	-
WWH E.L.	37074 64359 55077	16 60 43	10 32 22	3 4	1 9 4		ī		- 1	2 1 1		1	111	2 -	3 -	1 4 1	19 2	
South Bouthwark   WH	13663 14999 21381 15958 21318 26672 59555 21623	10 13 12 18 15 21 26 12	5 3 8 9 4 6 20 12	2 1 5 1 9 4	1111221	11111111	1 1 1 1 1	11111111		1 2 2		11111111	11111111	111	11111111	1 1	7 - 4 -	11111111
## WH S. & L.   Market S. & L.   Magdalen # - S.   es Bermondsey - S.   title WH S. & K.	11956 16800 15669 54682 36024	7 12 20 47 17	10 3 8 15 16	1 1 4 -	1 2 1 4	11111	1 - 2	11111	1.1.1.1.1	3			11111	1	1 1 -	4 8 2 1	8 - 5	
00-road 1st H L. & S. 10-road 2nd H L. & S. 10-road 2nd H L. & S. 1. & S. 1. & S. 1. & S. 1. & S. 1. & S. 2. & S.	15195 16351 19876 39859 45292 35882 62837 19017	5 18 12 82 80 17 44 6	2 1 14 10 10 18 15	1 1 4 2 2 5 -	3 1 8 5 5		1	1111111	1	1 2		111,11111	1111111	1	2 - 1	1	9 8	
ttersea	54675 52587 36380 28004 13235 25553	44 51 24 22 10 26	7 26 8 10 2 7	4 7 1 5 - 2	7 1 2 1 8	111111	ī	1	1	1 -	111111	111111	11111	11111	1	1	7	11111
well $W \omega L^*L^*$ - S. & L. n $W$ S., L., & K. ge Camberwell - L. & S.	5590 59104 71089 50810	44 43 38	1 34 12 21	6 2 6	1 10 6 2	1111	1 -		1111	1	1111	1	1111	- 1	ī 1	1 2	14	1 2 -
Deptford ww K. colas Deptford K. ich West H K, ich East WBH K.	76752 7901 21972 24608	49 7 10 16	23 6 4 13	13 2 - 2	3 1 1 4		1 1 2		1111	2 -	1111		1111	1111	2 1 2	5 1 2	- 6	1 -
H K.  m WH K.  L.	5048 21559 19865 26076	1 10 18 16	4 7 7	2	2 - 1			1 0 0 1		- - 1	1111		1 1 1 1		1	1	1	1
an H K,  th Dockyard K,  th Arsenal HH : K.  ad, West H K.	10930 17617 19048 14009 19241	3 14 11 9 28	1 2 11 2 13	4 8	1 2 1 2					-	11111				2 -	2	5	1
litan Asylum Hospitals:  ford w	-	-	-	-	-	-	_	-	-	-	-	-	-	-	-	-	-	

Ollowing Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the fable by w:-

Table up w:—
ylebone Infirmary in Kensington Town sub-district.
tral London Sick Asylum. in Tottennam Court-rond sub-district.
born Infirmary in Upper Holloway sub-district.
don City Workhouse Hacsney sub-district.
Hoxton New Town sub-district.
Mile End Old Town Eastern sub-dist.
And Bromley sub-district.
Alle End Old Town Lastern sub-dist.
And Bromley sub-district.
And Bromley sub-district.
And Bromley sub-district.

Stepney Workhouse in Bromley sub-district.

Poplar & Stepney Siex Asylum

Westmaster Unan Industrial School in West Batterses sub-district.

Strand and Holborn Workhouses ontside Registration London.

St. Savlour's Infirmary in Camberwell sub-district.

Metropoittan Asylum District Hospitals in Fulnam. Hampstead, Haskney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION; BIRTHS and DEATHS registered during the

				Wee	k end	ing S	aturd	ay, 1	st Ju	ne, 1	889.					-		
Panie.		Area						1	The Di	SATES	registe	red in	the W	eek i	nelude			
Regis-		in Acres,	Enume-			Deat	hs of		'	1	Deaths	from						*
District and Sub- listrict Num- bors.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Fore- shore.	rated Popu- lation, 1881.	виктив.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-sough.	Fever.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Public	Uncertified Causes
LO	NDON-OUTER RING	370,924	950,957	825	292	74	75	-	8	2	1	10	2	3	15	26	31	8
30:1	Carehalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	15 12	2	1 -	1	-	-	-	-	-	1	-	-	-		
87:1	Godstone (part of)	2754	1235	-	1	-	1	-	-	-	-	-	-	-	-	1	1	-
38:1	Croydon WwHHL - Mitcham w †	20851 11697	101241	83 12	24 5	7 8	10	-	-	-		1 1	-	-	1	2	7	1 -
89:1	Wimbledon HHH -	3220	15950	11	7	1	2	-	-	-	-	-	-		1	1	3	-
3	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	23 5	16	3	3 2	-	-	-	-	1 -	-	-	-	1	-	-
4	Hampton H	4573	13539	4	10	8	1 3	-	2	-		1				1	1	
40:1	Richmond WH Mortlake	2272 2941	21302 12331	6	9	1	2	-	-	-	-	7	-		1	1	-	-
47:1	Bromley (pt. of) * HH Chishrst(pt. of) * WHH	15669 14307	81142 15844	16	10	2	1	-	-	-	1	2 -	-	1 -	1 -	1 -	1 -	-
42:1	Bexiey H	18437	24134	19	8	8	2	-	-	-	-	-	-	1	-	-	-	-
124: 1	Dartford (Ww, pts. of)*	11055	11685	8	3	2	-	_	-	-	-	-	-	-	-	-	-	
2	Staines W	18277	12059	8	2	1	1 2	-	-	-			1	-	-		1	-
128:1	Hillingdon WHH - Uxbridge	6029 6178	10802 3225	4	2	-	1		1	-	-	-	-	-	-1	-	-	-
126:1	120,00	14887 7008	11523	11 13	8	2	2	-	-	-	-	1	1	_	1	3	_	-
2	Twickenham H	2477 4345	12479 27849	6 19	3 7	. 1	1 2	-	-	-	-		-	1	-	1	-	-
	Chiswick	1840	15975	11	4	2	-		-	-	-	-	-	-	1	- 2	-	-
127:1		13809	22876 12796	10	8	1 -	1	-	1 -	-	-	-	-	-	-	-		
	Edgware H	6994 4383	3749 27453	1 41	13	- 4	1	-	1	-	-	1	-	-	-	-	-	1
	W III OSUGII	8382	10484	9	1	-	1	-	-	10.	-	-	-		-	-	-	, -
137 : :		9331	6621	5	1 -	-	1 -	-	-	-	-	-	-	-	-	-	-	-
126:	South Mimms	15599	6391	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-
	Barnet 3 Finchiey HL	5433 4688	10092	6 17	3 5	-	1 2	-	-	-	-	-	-	-	1 -	1 -	4	-
185:		3806	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tottenham H	3039 4642	37078 46456	32 58	9	3	1	-	-	-	1	-	-	-	1	2	2	-
_	8 Edmonton Ww ‡ - 4 Enfield WH - ~	7483 12653	23463 19104	14	7 4	1	3 2	-	-	-	-	-	-	-	-	-	3 -	
	5 Waltham Abbey 6 Cheshunt	11017 8480	5364 7735	13	-	1	-	-	-	-	-	-	-	-	-	-	-	
186 :	1 Stratford	892	38606	85	8	1	-		1	-	-	-	-	-	1	1	-	1
_	2 West Ham wwwwH\s- 8 Leyton WwL	4873	32430	127	33	15	5	-	1 -	2 -	-	1 -	1 -	-	1	1	3	3
187 :	4 Walthamstow H -  1 Chigwell (part of) * H	1		80	18	2	2	-	-	-	-	-	-	-	1	1	-	
	2 Epping (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	þ
189:	3 Ilford	6730 8493	1	2	5 B	1	1	-	-	-	-	-	-	-	1 -	1 -	4 -	
	3 Barking Town	4127	9203	11	-	-	-	-	-	-	-	-	-	-	-	-	-	

<sup>\*</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstons su district: 39:3. Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Brouner sub-district, except the parish of Cudhar as Knockholt (pop. 1818); 41:2, Chislenuret sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hattle sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pon. 875): 189:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winshmore Hill (see Table 5).

Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 1st June, 1889.

			ANNUA	L RATE			The DE	ATHS	regis	tered	in th	he W	eek i	nelud	e	
GREATER	Area in Acres,	Estimated	of Mon per 100	TALITY 0 living.	DEATHS	Deat	hs of			I	eath	s from	n			Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upward*.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhose.	Violence.	Deaths in Pulnstitution
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
EATER LONDON	448,334	5,642,015	13.3	1.4	1443	316	363	-	39	6	17	59	11	17	70	321
INNER LONDON -	77,410	4,351,738	13.8	1.2	1151	242	288	-	31	4	16	49	9	14	55	290
OUTER RING -	370,924	1,290,277	11.8	1.1	292	74	75	-	8	2	1	10	2	3	15	31

YOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,606,200 Persons.

		oo is marc	u Aiggi	egate ropa		0,000,200 1							
						1	DE	ATHS	FROM D	PRINC	ES.	ZYMOT	
CITIES.	POPULATION (enumerated or estimated).	DA:	TURN.	BIRTHS.	DEATHS.	ANNUAL DEATH- EATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhogal Diseases.
ALCUTTA	433,219 { 773,196	March April May	30	-	173 201	20°8 24°2	4 4	1 2	-	1,1		44 43	37† 51†
ADRAS	398,777	March	29	320	355	46*2	3	65	?	2	P	89	42
ARIS	2,260,945	May	25 25	1213 279	1015 173	23°4 19°1	3	23	6	43*	5 2	10	64
ith 8 Faubourgs.)	471,606	93									4		
ROTTERDAM -	403,083 197,723	"	25 25	266 175	192	25.0	_	6	_	4	- 9	1	-
THE HAGUE -	153,440	17	25	77	53	17.9	-	-	-	1	2	-	-
OPENHAGEN -	307,000	,,	18	173 133	119 86	20.2	-	-	1	8	7	1	6 7
HRISTIANIA -	221,549 138.309	39	18 25	76	61	22.9	-	-		4	2	-	5
T. PETERSBURG	842,883	33	18	90	529	32.7	-	4	9	5	6	16	76
BERLIN	1,470,582	,,	11	858	591	20.7	-	3	2	19	9	3	53
HAMBURG(State)	675,276	99	. 18	352	258	23.4	-	-	2	11*	6 P	3	12
DRESDEN	264,196	20	18	157	122	24.0	5	-		3*			12 27
BREBLAU	315,000	87	25	217	196	32.7	-	5	1 2	6* 5*	1	1	28
MUNICH	281,000	» ·	18	247	169	30.8	-	12	6	10		2	42
VIENNA	811,434	29	18	615	445	28.5	1	2	4	9	3	1	8
PRAGUE	304,356	92	18	-	200	34.3	6		1	13	3	2	15
BUDA-PESTH -	452,907	23	18	357	295	23.4				1	_	_	10
TRIESTE	158,084	39	18	-	71								
ROME	461,044	April	13	252	188	24.4	4	7	•	11	2	6‡	9
TURIN (10 days)-	306,398	>>	30	270	187	22.3	-	6	3	4	6	1	11
VENICE	153,375	May	18	75	92	31.3	6	-	-	1	انسا		10
CAIRO	374,938		. 9	331	389	54.1	10	5	-	3*	8	26	122
ALBXANDRIA -	231,396	19	9	145	183	41°3	3	7	-	1	-	13	45
NEW YORK -	1,549,500	,,	11	-	782	26.3	-	8	48	43	24	4	16
BROOKLYN -	814,505		11	-	415	26.4	-	10	10	18	5	2	8
PHILADELPHIA -	1,040,245	99	11	-	397	19.9	-	2	5	3	3	9	.9
BALTIMORE -	500,343	27	11	-	146	15.5	-	1	4	2		5	1

Including deaths from croup. Including 20 deaths from cholera in Calcutta in week ending March 30, and 30 in week ending April 7. Including 4 deaths from malarial fever.

TABLE 9 .- METECROLOGICAL OBSERVATIONS taken at the ROYAL USSERVATORY, GREENWICH, during the Week ending Saturday, 18r JUNE, 1889. Under the Superintendence of the Astronomer Royal.

of the barometer is 159 feet above the mean level of the sea; no Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are during the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum bulb thermometers by Glaisher's Hygro-Estimate Electrometer. The in. moderate; s. strong; and 0.0 2.5 converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and and minimum thermometers, forming the mean daily value of temperature or the air (column 8). The mean daily dew point temperature and degree of humidity are deduced The average temperature of the air is that derived from a discussion of the photographic In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and The thermometers in the water of the Thames are suspended at a depth of two feet below The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show The results of all the meteorological observatious are to be understood as applying to the 0.71 6.2 records made at Greenwich during the 20 years ending 1868, and that of horizontal movement the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the 27 The record of Electricity is derived from Thomson's self-registering Electrometer. Sum in. 00.0 26 of the air from a discussion of the anemometric records for the 16 years ending 1875. Average Miles. 98 50 201 Sum +140 +132 25 + Robinson's. Movement of the Air Iorizontal Sum 1860 24 correction has been applied to the readings to reduce to sea level symbols employed are :- P. positive; N. negative; w. weak; Wind as deduced from Anemometers. Mean of 24 hourly obs. 0.0 0.0 0.0 6.0 8.0 1.0 Pressure on the Square Foot. the aggregate duration of bright sunshine on each day. o.o Least. 0.0 0.0 0.0 0.0 0.0 0.0 from the mean daily values of the dry and wet lbs. 1.0 8.7 2.4 1.3 est. Osler's civil day, or from midnight to midnight. NE. & NNE. NE, Calm & SW. & SSW. SSE.SE. & SSW. & S. S8W. & S. SSW. P.M. General Direction. 20 - "lower," than the average. The height of the cistern NE. & NNE. SSE. R SE. SSW. & SW NE. & N. SSW. A.M. 18 Corporation of London. œ metrical Tables. Of the Water of the Thames at Deptford. 6.79 68.5 63.1 62.3 61.5 62.5 63.1 4.79 LOW. est. 18 v. variable. TEMPERATURE. 64.5 9.89 4.69 8.89 64.5 8.89 est, 63. High- Lowest Sun's Grass. 2.9 9.55 Of Radiation. 0 16 Very fine; small amounts of cloud prevailed till evening; generally cloudy at night. Slight rain in Fine and partially cloudy till afternoon; overcast and showery till night; then fine. night. Slight fog in morning. 2.44 2.22 2.221 127.5 33.4 Showery in forenoon;; fine and partially cloudy evening; cloudless at night. 15 at Degree of Hu-midity (Satu-ration equals 100). Showery at times. evening; cloudless 100 66 81 78 22 99 82 14 GENERAL REMARKS. Difference between the Air Temperature and Dew Point Temperature. morning. 1.8 9.0 2.0 Least 2.7.2 9.71 est. 12 Heavy rain in Frequent rain. Fine: partially cloudy. ti Mean daily value. 0.0 9.11 2.8 Partially cloudy A very fine day. Of the Dew Point. Mean daily \$.99 8.67 53.3 8.9 2.67 50.1 1.9 10 Overcast. Overcast. from Average 2.0 9.8 1.1 6. 1 + ŧ TEMPERATURE. 54.5 F. 22 0.49 Registered Sun above Sunshine, Horizon, in hours, in hours. Mean 53.5 55.2 1.19 55.7 00 16.5 7.91 76.5 0.91 1.91 1.91 Of the Air. 16.2 Range. 7.61 19.5 0.17 4.22 6.97 7 Sum 847.2 2.5 10.5 8.71 0.0 0.0 Low-21.5 8.8 2.2 12.5 7.9 0.87 est, 1.95 9 65.0 6 0 10 73. 64. was not in action throughout the week. (For explanation of symbols, see Note.) rected and reduced to ELECTRICITY. in. 29.245 869.66 29.765 219.67 29.214 29.551 111.67 Oreatest Dec. N. of the Moon. The New. 00 87 53 30 31 95 63 MONTH AND 1889. SATURDAY . . No. of Col. MAY. JUNE. CHURS. . WEDNESDAY. DAY. DATE. MAY. JUNE. MEANS TRUBODAY WED. TUES. TUESDAT SUK. Mon. MONDAY SUKDAT FRIDAY FRI.

#### RETURN WEEKLY

#### LONDON DEATHS IN AND BIRTHS

AND IN

# TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 23. 1889. Vol. L.]

WEEK ENDING SATURDAY, JUNE 8.

Price 1 d.

General Register Office, Somerset House, 10th June, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.7 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

belically arrang			ending	1				Weeks	ending	
Towns.	May 18.	May 25.		June 8.	Towns.	,	May 18.	May 25.	June 1.	8.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull - Leeds - Leicester* -	14.8 18.6 22.4 22.7 20.0 15.9 15.2 23.6 15.9 25.7 16.9 18.6	16·3 19·8 28·2 17·8 12·9 16·6 14·8 12·2 22·5 15·2 17·1 19·7	16·9 17·6 21·4 12·7 13·6 17·6 14·8 25·7 18·0 20·6 18·5	17·3 16·9	Oldham - Plymouth - Portsmouth Preston - Salford* - Sheffield -	- e*	14·8 28·2 23·7 11·0 14·5 25·7 20·7 14·8 38·1 18·7 16·7 19·8	15·2 28·8 24·6 15·5 19·1 20·2 28·7 13·3 30·5 21·8 17·1 21·0	18·3 13·8 25·1 25·3 17·1 16·0 18·7 29·4 18·1 38·6 17·4 18·2 18·7 15·2	15·7 30·2 22·7 13·8 17·8 20·2 26·0 15·1 36·1 21·6 19·5 21·4

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.5 in Oldham, 1.6 in Leeds and in Newcastle-upon-Tyne, 1.8 in Bolton, measles, 1.5 in Manchester, 3.9 in Halifax, 4.8 in Hull, and 10.0 in Preston; from scarlet fever, 1.1 in Derby, 1.3 in Salford, and 3.3 in Plymouth; and from whooping-cough, 1.8 in Portsmouth, 3.1 in Birkenhead, and 3.5 in Preston. The death-rate from "fever" did not reach 1.0 in any of the twenty-eight towns. 49 deaths from diphtheria in these towns included 34 in London, 3 in Manchester, 3 in Salford, 3 in Sheffield, and 2 in Birmingham. Small-pox caused no death in any of the twenty-eight great towns. LONDON.

In LONDON 2523 BIRTHS and 1306 DEATHS were registered. Allowing for increase of population, the births were 155, and the deaths 160, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 14.8, 15.2, and 13.8 in the three preceding weeks, rose last week to 15.7. During the first ten weeks of the current quarter the death-rate averaged 16.3 per 1000, and was 3.6 below the mean rate in the corresponding periods of the ten years 1879-88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated,

A 58256.-10. 610.-6/89. Wt. 14.

The 1306 deaths included 39 from measles, 12 from scarlet fever, 34 from diphtheria, 26 from whooping-cough, 3 from enteric fever, 4 from ill-defined forms of continued fever, 19 from diarrhæa and dysentery, 1 from infantile cholera, and not one from small-pox or typhus; thus, 138 deaths were referred to these

diseases, being 84 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 17; no small-pox patient was under treatment at the end of the week in the Metropolitan Asylum Hospitals, or in the Highgate Small-pox Hospital. The deaths from meusles, which had declined in the five preceding weeks from 68 to 31, rose again last week to 39, but were 34 below the corrected average; 4 belonged to Westminster, 4 to Pancras, 5 to Islington, 5 to Newington, and 5 to Camberwell sanitary areas. 12 fatal cases of scarlet fever, showed an increase of 8 upon the low number in the previous week, but were 16 below the corrected average; 2 belonged to Mile End Old Town, 2 to Lambeth, and 2 to Battersea sanitary areas. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 570 scarlet fever patients, against 610, 603, and 587 on the three preceding Saturdays; 39 cases were admitted to these hospitals during the week, against 65, 57, and 49 in the three previous weeks. The deaths from diphtheria, which had been 24, 21, and 16 in the three preceding weeks, rose last week to 34, and exceeded the corrected average by 17; 4 belonged to Kensington, 2 to St. George, Hanover Square, 2 to Shoreditch, 2 to Whitechapel, 2 to St. George-in-the-East, 2 to Stepney, 2 to Mile End Old Town, and 6 to Lambeth sanitary areas. The 26 fatal cases of whooping-cough showed a decline of 23 from the number in the previous week, and were 28 below the corrected average; 3 belonged to Islington and 4 to Camberwell sanitary areas. The deaths attributed to  $diarrh\alpha a$  and dysentery, which had been 13 and 14 in the two previous weeks, further rose last week to 19, but were one below the corrected average; 15 were of children under the age of five years, and 4 of persons aged upwards of 60 years.

The deaths referred to enteric fever, which had been 5 and 9 in the two preceding weeks, declined last week to 3, and were 7 below the corrected average; 2 belonged to Hackney sanitary area. The death (sudden) of a child, aged 12 years, in Kensington was, after inquest, referred to fever; that of a man, aged 80 years, in Chelsea, to simple continued fever; that of an infant, aged 11 months, in Clerkenwell to febricula; and that of a female, aged 59 years, in Stepney, to suppressed fever. The Metropolitan Asylum Hospitals contained 14 cases of enteric fever, and not one of typhus on Saturday last; 5 cases of enteric fever were admitted

during the week, against 1 and 3 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 217, 177, and 162, in the three preceding weeks, rose again last week to 205, but were

47 below the corrected average.

Different forms of violence caused 58 deaths; 50 were the result of negligence or accident, among which were 19 from fractures and contusions, 5 from burns and scalds, 9 from drowning, and 13 of infants under one year of age from suffocation. The 19 deaths from fractures and contusions were thus caused:—5 by accidents from vehicles in the streets; 3 by accidents on railways; 2 by fall from window; 2 by fall from building; 2 by fall down stairs or steps; 1 by fall from cradle; 1 by fall in street; 1 by fall in school; 1 by fall, the nature of which was not stated; and 1 by fracture. An inquest was held in each of these 19 cases except the last. Seven cases of suicide were registered, being 2 below the corrected average.

#### GREATER LONDON.

In Greater London 3317 births and 1594 deaths were registered, corresponding to annual rates of 30·7 and 14·7 per 1000 of the estimated population. In the Outer Ring 7 deaths from measles, 7 from diarrhea, and 6 from diphtheria were registered. Two fatal cases of measles were returned in Hornsey and in West Ham, and 2 of diphtheria in West Ham sub-districts.

Professor Frankland's report upon the quality of the water supplied by the various companies to the Metropolitan area during May will be found on pages 233-4.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.86 ins.; the lowest reading was 29.53 ins. on Sunday at Noon, and the highest 30.23 ins. on Wednesday morning. The mean temperature of the air was 64.3, and 6.1 above the on Wednesday morning. The mean temperature of the air was 64°·3, and 6°·1 above the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably above the average during the first six days of the week, but fell below the average on Saturday. The direction of the wind was variable, and the horizontal movement of the air averaged 9·0 miles per hour, which was 1·3 miles below the average in the corresponding weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0·31 of an inch. The duration of registered bright sunshine in the week was 50·1 hours, against 53·6 hours at Glynde Place Lewes. 52.6 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of MAY 1889; according to their returns 168,223,098 gallons or 764,315 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 224 gallons (101.8 decalitres), rather more than a ton by weight, to each house, and (assuming 7.8 persons to each house) 28.7 gallons (13.0 decalitres) to each person, against 29.3 gallons during May

	Number of l supplie		Average daily Su in Gal	apply of Water lons.
COMPANIES.	MAY.	MAY.	MAY.	MAY.
	1888.	1889.	1888.	1889.
TOTAL SUPPLY	737,865	750,954	168,736,939	168,223,098
From Thames	355,470	361,988	85,537,636	84,305,006
	382,395	388,966	83,199,303	83,918,092
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	34,515	34,922	9,995,614	9,708,123
	70,234	71,647	15,695,910	15,766,945
	109,411	110,993	24,239,741	23,761,913
	54,146,	55,416	17,566,871	17,295,625
	87,164	89,010	18,039,500	17,772,400
LEA AND OTHER SOURCES.  New River East London Kent	150,241	152,234	30,919,000	80,684,000
	161,571	164,686	39,562,147	41,011,349
	70,583	72,046	12,718,156	12,222,743

Note.—The Return for May 1889, as compared with that for the corresponding month of 1888, shows an increase of 13,089 houses, and a decrease of 513,841 gallons of water supplied daily.

# Analysis of Metropolitan Water Supply during May.

Water-analysis Laboratory, The Yews, Reigate, 3rd June, 1889.

z 2

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of May.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.8, Tottenham 1.1, Colne Valley 1.5, New River 2.0, Southwark and East London 2.2, Lambeth 2.3, West Middlesex and Grand Junction 2.4, and Chelsea 2.8.

The water drawn from the Thames and supplied by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was of better and more uniform quality than in April.

It was in every case efficiently filtered before delivery.

The water obtained chiefly from the River Lea by the New River and East London Companies was efficiently filtered, that supplied by the first named company being of better quality than any of the Thames derived waters, whilst that sent out by the East London Company was equal to the best of these waters.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a high degree of organic purity; the Kent Company's water being especially distinguished in this respect. The Colne Valley Company's waters was softened before delivery, and was thus rendered suitable for washing. These waters require no filtration. They were clear and bright.

Seen through a stratum two feet deep, the waters presented the following appearances:-Kent, Colne Valley, and Tottenham, clear and colourless; New River, clear and nearly colourless; the remaining waters, clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied

to that city was "less turbid and contained rather less organic matter than the April sample, but it was still bigh."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter. The temperature and organic carbon were unusually high."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES OR LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
THAMES. Chelsea	May 7th, Cab Rank, Horse Guards, Whitehall.	12.8	27.40	144	•020	0	*215	*235	1.7	18.3
West Middlesex -	{Cab Rank, Portland-road.}	15.8	28*20	•124	.020	0	.222	*242	1.8	18.9
Southwark	May 7th, Cab Rank, Bricklayers Arms, Old Kent-road.	14.8	29.44	•109	*021	0	.217	*238	1.8	20.0
Grand Junction -	May 7th, Cab Rank, Uxbridge-road, near Marble Arch.	15.2	26.00	•118	*023	0	*194	217	1.8	18.6
Lambeth	May 7th, Cab Rank, St. George's- road, Southwark.	13.8	28.84	•120	*017	0 -	•230	*247	1.8	19.7
LEA. New River	May 7th, Cab Rank, Tottenham Court-road.	13.0	27.28	·106	*014	.0	•226	*240	1.8	19.1
Fast London -	May 7th, Fire Brigade Station, Commercial-road, E.	14.0	31.00	114	.018	0.	•299	*317	2.1	20.6
DEEP WELLS.	May 7th, Mill Lane, Deptford.	12.2	41.60	.041	.009	0	*464	•473	2.6	29.7
Colne Valley	May 15th, Bushey.	-	17.80	.073	.018	.009	.431	*456	2.6	7.6
Colne Valley	{ May 8th, Tottenham. }	_	41.20	*053	*014	.050	*054	•109	2.9	22.1
Corporation of Birming- ham*	May 1st, Corporation Wharf, Holliday Street,	10.0	27.72	•209	•049	.001	.150	•200	1.7	14.2
Corporation of Glasgow+-	{ Loch Katrine Water. }	9'1	2.70	•242	*041	0	*004	*045	0.7	0.95
Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

<sup>\*</sup> Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 7th May at the Horse Guards cab-rank, had a temperature of 12°8 C.; 100,000 lbs. of it contained 27.40 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained 144 lb. of carbon and 020 lb. of nitrogen. The above quantity of water also contained no ammonia, and 215 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 235 lb. The above weight of water also contained 1.7 lbs. of chlorine; and 18.3 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same

operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

																						_		_		-	_		
BALLING	CITIES AND BOROUGHS.	Cols.		- 28 TOWNS.	LONDON. BRIGHTON.	FORTSMOUTH. NORWICH.	PLYMOUTH.	BRISTOL. WOLVERHAMPTON.	BIRWINGHAW	LEICESTER.	NOTTINGHAM.	DERBY.	LIVERPOOT.	ROLTON.	MANCHESTER.	SALFORD.	Огрнам,	BLACKBURN.	HUDDERSFIELD.	HALIPAX.	BRADFORD.	LEEDS.	SHEFFIELD.	SUNDERLAND,	NEWCASTLE.	CARDIEF.		EDINBURGH.	DUBLIN.
Tr.	Centi-	11 24 4		56.0	0.36	1 1	0.33	68.0	3 1	1	00.0	1	1.00	00.1	•	1	1	ı	( )	1	00.0	) I	3	99.0	0.10	t		2.95	80.0
RAINFALL	Inobes.	al S			16.0 18.0	1 1	0.13	0.35	2 1	1	00.0	1	00.00	99.0		1	1	1	1 (	,	0.00	3 1	1	97.0	0.04	ı		91.1	0.03
AIR.	-absrzite	(S)		0	76.91 16.94	1 1	PF. 91	15.50	3 3	1 1	87.91	1	- 3	14.44	-		,	1	1 1	,	15.79	1 1	3	14.00	00.7	ı		13.61	12.78
OF THE	M .tienheit.	Is I			64.3 1 62.5 1	1 1	-	59.9 1	_	1 1	61.3	1		0.83	-	1 1	ı	2	1	1 1	80.8			2.1.2	53.6	ı		56.5	
TEMPERATURE OF THE AIR.	Lowest.	heit.			53.0	1 1		00.00		1 1	2.09	1	1 3	6.09		1 8	1	•	1	1 1	0.0	0 1	1	49.0	49.0			42.7	38.7
EMPER	Highest.	Fahrenheit.	-:		83.9 4	1 1		75.0 4		1 1	82.5	1		74.0			1	1	1	1 1	24.0	0 1	1	74.0	- 0.89		-   -		7.17
		00 -		လ လ လ	3 9.1	9.0	_	2.3		1.1	-	2.6	1.4	_	100	4.0	3.3	2.2	14.5	4.4		H 00	3.3	6.5	_	-	1	_	4 H
Annual Rate per 1006, corresponding to the	Separation of the separation o				18.0	15.1	26.0	13.0	9 3	10.1	8.41	21.1	20.00	17.3	6.08			_	36.1	0.23	6.91	3.81	19.5	1.77	£ 17	14.8		12.1	23.5
-	Uncertified the set of Death				ا ا	1 -	1	-	1	4 4	1	63			- I	- 10					-	23 1	00		П 0				9
dun.	Deaths in Public Putitutions.		-	579	323	1 01	- 41	00 =	<del>1</del> 6	S TO	4	ಣ	eo 1	200	<b>5</b>	22 22	90	12	9	21 0	9 6	34	16	11	9 11	9		12	62
28 Great Towns, during Week include	quest Cases.	ul 5		208	181	- 1	ت د	70	24 6	16	. co	49	1 9	13	01 (	D 1-	- 00	63	ಣ	00 0	4		57	~	41 1	a 1	_	0. 1	0. 1-
Inde	· Sonelo	NA P	ė	125	85 I	3 00	-	co 1	-	00 60	1 00	67	1	Η,	- 1	62 F	- c1	-	61	4 0	24	37 (	-	ಣ	1 '	- · · ·	_	1	00 41
8 GR	.esodrr	Die	12	67	13	23	1 1	67		23 -		1	1	(2)	9	2 7	4 0	-	1	ı	8	- 02	4 47	20	1	1 1			9 1
n e	.194	-	1	23	1 02	-	1 1	ಣ	1	1 =	1 1		1	20	1	1 -	- 1			1 1	-	1		1	1	1 -	_	1	
ered in	htheris. from	-	e	86	26	70	1 1	69	 6.1	ಣ	1 10		9	13		67 1	- 6		10	-		es	1 3	-	-	- -			16
TEOR.	btheris.	-	6	1 49	34	1	1 1		-	-1		1 63	_	10		es .	eo .			_	1					1	_		S 1
, and Metrorology in 28 Great The Deathstegistered in the Week include	1917	RoS	2.1	152 41	9 12	9 1	1 1	-	61	63	1 1	r-1 1	-	63	4	91	eo .	₹ 0	20 2		9	33	11			10	-	1	5 5
The The	ll-pox.		6.	-	- 62	1 1	1 1	1	,	1	1	1	1 1	1 1	1	1	ŧ	1	1 1	ı	ı	1	ı	1 1	1	ı	1		1 1
is, DRATHS, and METEOROLOGY The DEATHS registered in t	-sblawq		٥٠.	929	274	17	13	12	0	53	6-	15	11	37	23	38	19	60 0	10	9	90	H	27	97.	6	10	90	0.6	3 84
200	186.	7	4.	694	906	1.0	eo .	4 0	12	37	00	25	1 00	40	9	53	25	12	15	10 20	6	10	30	28	20	16	9	16	66 68
TABLE 2BIR	1 Jahan si	DEATHS.	10	3244		42	25	27 69	40	117	56	18	41	210	88	219	97	55	55 55	1 25	42	92	125	122	55	70	32	77	238
TABLE L.	the Week ending 8th June, 1889.	He. DE		1		67	75	68	51	287	96	149	62	250	75	303	144	33	101	6 94	88	100	569	198	100	121	89	1 47	407
Regin		BIRTHS.	63	5849					_		_		_		_						_				_ ~		01	-	
	POPULATION estimated. to the middle of the the the the the the the Year		1.	A 200	4.351.738	121,807	94,510	78,225	229,361 82,544	454.835	150,520	287,812	98,529	102,541	114,670	878.800	234,283	142,405	121,275	104,194	81,080	235,056	357,449	327,227	184.193	160,983	112,712	000 000	528,144 528,144
-	<u>d</u>		Cols.	-!		•		•	TON						• •	•			٠			٠	•	•		•	•	1	
The second of the State of the	CITIES AND BORUGHS.		2	-	28 TOWNS	LONDON BRIGHTON .	PORTEMOUTH	PLYMOUTH .	BRISTOL .	WOLVERBAM	BIRMINGHAM	NOTTINGHAM .	DERBY	BIRKENHEAD	LIVERPOOL .	TOTAL STATE OF THE PARTY OF THE	MANCHESIES SATFORD*	OLDHAM .	BLACKBURN .	PRESTON .	HALIFAX -	BRADFORD.	LEEDS	SHEFFIELD .	HULL . SHARPER	NEWCASTLE*	CARDIFF.		GLASGOW -

Table 2. LONDON.—Births and Deaths Registered in the Twenty-Third Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females .	2135	2736	2358	2476	2603	2093	2464	2476	2781	2430	2678·4	2523
	1082	1406	1204	1247	1352	1101	1259	1287	1422	1225	1372·4	1299
	1053	1330	1154	1229	1256	997	1205	1189	1359	1205	1306·0	1224
TOTAL Deaths  Males Females .	1351	1294	1346	1369	1400	1458	1315	1277	1414	1219	1465·9	1306
	719	675	709	728	725	750	662	666	752	637	765·8	675
	632	619	637	641	675	708	653	611	662	582	700·1	631

The numbers in this column are the average weekly numbers in the twenty-third weeks of the ten years 1879-88, raised by 9'046 per cent. for increase of population.

TABLE 3. L()NDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. HORDON.													
	Mar. 16.	Mar. 23.	Mar. 30.	Apr.	Apr. 13.	Apr. 20.	Apr. 27.	May 4.	May 11.	May 18.	May 25.	June	June 8.
TOTAL Births	2699	2670	2808	2676	2509	2488	2522	2712	2565	2648	2402	2405	2523
TOTAL Deaths -	1638	1554	1476	1572	1493	1426	1462	1386	1295	1231	1267	1151	1306
Ages at { 0-20 years 20-40 , , 40-60 , , 60-80 , at 80 years & upwd	188 298 357	666 165 274 366 83	642 200 274 287 73	729 175 2×7 305 76	671 183 266 310 63	670 174 214 299 69	708 171 256 264 63	626 184 266 258 52	577 175 251 245 47	571 169 205 232 54	608 152 221 224 62	506 143 209 237 51	601 186 245 234 40
", {Under 1 year 15 - 520	249	317 276 73	316 242 84	368 261 100	322 251 98	299 279 92	361 273 74	309 246 71	287 218 72	267 225 79	301 222 85	242 181 83	306 205 90
Deaths from Small-pox ,, Measles Scarlet fever	60	84	56 11	74 15	72	70	65	68	60	53	47	31	39
", "Diphtheria Whooping-coug	81	23	18 51	26 49	13 36 43	22 51	9 29 56	15 21 55	10 23 37	7 24 36	16 21 48	16 49	12 34 26
", " Enteric fever " , SimpleContafev	6 r -	4	8	9	10	6	3	5	5 4	7	5	9	3 4
Dysentery -		18	9	17	11	10	18	12	10	14	13	14	19 1
", ", all the above- mentioned Diseases		177	153	190	187	169	181	178	149	142	152	123	138
", ", Dis. of Respira- tory System " Phthisis -		378 139	332 153	364	294	300	305	242	213	217	177	162	205
", ", Dis. of Circulatory System	157	127	153	146	135	98	164	143 154	125	137 97	148 98	101	97
Violent Deaths Inquest Cases Deaths in Public Institutions	63 127 378	53 111 366	52 125 354	69 130 340	68 130 325	57 111 315	69 116 331	55 107 315	66 125 310	51 85 311	48 89 342	55 104 290	58 91 323
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	38.8 46.8 31.2	42·5 50·3 35·7	45°6 54°6 38°6	43.5 51.8 37.4	43.5 50.4 38.6	46·5 55·3 39·8	47·5 57·8 39·1	50·8 61·9 41·5	57·7 67·9 49·1	54·0 64·5 46·7	61·9 75·1 50·8	55.7 64.9 48.0	64·3 77·2 53·4
Humidity of the Air - Rain-fall in inches -	80	80	81 0·11	78 0·27	90	84	80 0·75	79 0·79	77	85	77 0·51	82	73
Registered Sunshine (in hours		18.4	14.3	21.3	8.6	12.5	31.3	39.8	37.5	27.7	49.1	1.33	0·31 50·1

### METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher. Esq., F.B.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippmoott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Erown, Esq. and B.A. Whitelegre, Esq., M.D., Notting-ham; J. Hartung, Esq., F.R.A.S., Liverpool: H.O., Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.IS., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the Twenty-Third Week of the Year 1889.

-				T	WEN	TY-	THI	RD	We	ek of the Year 1889.									
	r the		I: Sat	the urda	We y, 8t	ek or h Ju	ndin	g 889.			r the		Bat	In th	e W	eek e	ndin ne 18	g 89.	
	ges fo		D	eaths	s of I	Perso	ns o	f			ges fo		D	eath	s of l	Perso	ns o	f	
CAUSES OF DEATH.	Corrected Averages for the 28rd Weeks of the 10 years	ALL AGES.	0-1.	7nde 20.	6-20.	20 and under 40.	40 and under 60.	60 and under 80.	so Years and	CAUSES OF DEATH.	Corrected Averages for the 23rd Weeks of the 10 years 1879-88.**	ALL AGES.	0-1.	Unde 20.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	bu Years and upwards.
ALL CAUSES	1465*9;	1306	306	205	90	186	24	239	40	Diseases of Organs of Special Sense†}	2.9	3	1	-	2	-	-	-	-
Small- pox Vaccinated; - Unvaccinated No Statement	}17.0	-		-	-		-	-	-	Diseases of Circulatory }	92.0	97	-	1	2	14	39	34	7
Measles Scarlet Fever	72·6 28·4 0·7	39 12	8 -	29 8 -	3	1			-	Croup - 4 - Bronchitis Pneumonia	12.4 128.8 79.4	7 118 71	1 44 18	4 27 17	2 1 6	2 9	8 13	26	5 1
Relapsing Fever † Induensa	0°0 0°1 54°2	- - 23	15	-	-	-	-			Pleurisy - Other Diseases of Respi- ratory System	6.2	71 2 12	1	4	3	-	1	7 2 1	2
Whooping-cough Diphtheria Simple Continued and Ill-defined Fever	16.5	34	2	19	12	-	1	-	1	Dentition † Quinsy, Sore Throat † - Enteritis Peritonitis	13.8 1.7 6.0 6.8	6 6 7	3 - 3 -	3 -	1 2		- 1 23 22	- 1 2	
Enteric Fever Cholera Diarrhœa, Dysentery -	10·1 0·7 20·3	3 1 19	1 12	3	1 -		2 -	- 3	- 1	Diseases of Liver - Other Diseases of Digestive System -}	31·4 26·6	31 24	3 5	1	1	3	7	13	1
Remittent Fever† Hydrophobia	0°5 0°1 0°1	- 1				-				Diseases of Lymphatic System & of Ductless Glands †	2.0	3	-	-	-	2	-	-	1
Cowpox and Effects of Vaccination † } Venereal Affections -	8.6 0.3	7	- 6	-	-	-	1	-	-	Diseases of Urinary }	85.2	41	-	-	-	7	20	14	-
Erysipelas Pyæmia and Septicæmia † Puerperal Fever	5'8 3'2 5'3	7 2 6	2 -	- 1 - 2	-	- 6	1	3 1 -	1 -	Diseases of Generative System } Accidents of Childbirth -	6.6 8.8	3	-	-	1	1 3	1	-	-
Other Zymotic Diseases † Thrush	1.7	4	4	-	-	-		_	-	Diseases of Locomotive System † }	6.4	7	-	-	1	2	4	-	-
Worms and other Para-} sitical Diseases} Starvation, Want of	0.5		-	-	-	-	_		-	Diseases of Integumen- tary System}	6.1	5	-	1	-	-	2	2	-
Breast-milk †}	5.2	5	-	-	-	1	2	2	-	VIOLENT DEATHS.§ Accident.)									
Rheumatic Fever, Rheumatism of Heart† Rheumatism † Gout	6·2 2·0	8 5	-	-	4	2	3	1	-	Fracture and Contusion Gunshot Wound Cut, Stab Burn and Scald Poison	22·3 0·0 0·4 4·4	19	2 -	3 - 1	3 1 2	5	3	3	
Rickets † Cancer	2.7 3.5 .56.0	5 11 62	1 -	10		- 6	28	23	-	Poison	1.2 8.5 11.3 2.5	1 9 13 2	13	1111	1	3	1	1	
Tabes Mesenterica — Tubercular Meningitis — Phthisis — — — Scrofula, Tuberculosis —	24.0 29.4 168.6 20.2	25 87 174 24	13 4	8 17 5	5   15	90	1 51	9	-	(HOMICIDE.) Murder & Manslaughter	2.3	1	-	-	-	-	1	-	-
Other Constitutional Diseases †}		13	6	9	5	4	2	6	1	(SUICIDE.) Gunshot Wound	1.3	1	-	-	-	-	1	-	-
Premature Birth Ateleotasis + Congenital Malforma-)	34.0 2.9 5.7	40 2 4	40 2	-		-	-	-	-	Cut, Stab Poison	2:1 1:1 1:5 2:2 0:5	1 2 2	11111	1111	1	1 1 1	1 -	1	11111
tions } Old Age	41.1	34	-	-	-	-	-	19	15	(EXECUTION.)					-				-
Epilepsy Convulsions	\$9.4 7.4 41.8	30 9 34	28	1 6	-	1 -	3 -	15	1 -	OTHER CAUSES †	56.5	39	85	3	-	-	1	-	-
and Narvous System	91.3	80	14	12	4	10	12	25	3								-		

Imbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9'046 per cent, for increase of population, ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

It is a variable only are returned as "vaccinated" or as "unraccinated" which are so certified by registered medical men. When a statement does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered to the case is returned under the heading "no statement."

Idence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, there or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLE during the Week ending

										_	_		aur	ing	ine	11 66	K CM	-
							The	DEA	THE	regist	ered:	in the	Wee	kine	lude			
	Enume-			Deat	hs o					Deat	hs fro	om				1		1.
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881	Total BIRTHS	Total DEATER.	Infants under 1 Year of Age.	Persons aged 60 Years & upwd*	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteris (or Typhoid) Fever.	Simple con-	Diarrhoa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	
LCNDON	3,815,704	2523	1306	306	274	-	39	12	34	26	-	3	4	19	58	91	323	-
West Districts  North Districts  CESTRAL DISTRICTS  EAST DISTRICTS  SOUTH DISTRICTS  METROPOLITAN ASLUM FOS- PITALS OUTSIDE REGISTRATION LONDON	669,638 905,947 282,288 692,788 1,265,148	376 598 149 502 898	241 293 107 244 421	44 75 80 55 102 -	55 59 21 68 76	-	6 13 2 4 15	2 1 2 7 -	8 8 1 5 12	4 7 1 3 11	-	2 - 1	1 1	1 4 2 4 8 -	11 8 7 16 16	21 15 10 27 18	64 71 83 80 75	
West Districts	69868 87830 120141 43010 7599 64340 42900 0398 24925 32807 80353 59220 35496 24679	46 8 48 13 5 58 68 10 17 21 8 22 25 11	17 18 38 8 2 26 30 9 13 12 5 24 13	5 - 5 - 158 123 - 453	3 4 16 1 5 6 3 4 1 3 1 2 1	11 11 11 11 11 11 11 11	111111111111111111111111111111111111111	2	2 - 1 - 2 - 1	2 1	1111111111111		1	1	31 - 14 9	42 2 36 - 1 - 21 -	14 13 4 -2 8 2 8 -4 8 -6	
St. James Westminster WHH N.R. R.J.  St. Anne Sobo HHHHHHH - N.R.  NORTH DISTRICTS.  All Souls Marylebone HHHHH - W.M. Rectory Marylebone HHHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb HHH G.J. & W.M. Christehurch Marylebone H - W.M. St. John Marylebone H - W.M. Hampstead WwwHHHH N.R. & W.M. Regent's Park Paneras H - W.M. Gray's Inn Lane HHH - N.R. Somers Town H - N.R. Camden Town WH - N.R. Leington South-west HH - N.R. Islington South-west HH - N.R. Highbury H - N.R. Stamford Hill - E.L. Stamford Hill - E.L. West Hackney Wwest - N.R. Hackney Wwest - N.R. Hackney Wwest - S.L. South Hackney - E.L. South Hackney - E.L.	20749 14591 24769 14591 24869 21118 33700 3633 45452 89115 27729 30247 845452 89115 27729 30247 845452 67946 100976 61835 62048 9277 87610 9277 87610 9277 87610 9277 87610 9277 93761 937	9 12 8 8 5 32 19 19 83 20 11 28 28 7 60 69 27 80 28 13 19 5 5 5 7	14 5 14 2 6 2 12 5 10 9 10 6 26 40 22 15 9 4 11 29 15	8 3 1 3 - 6 2 8 4 5 5 8 1 1 11 5 4 4 5 8 1	3 1 1 1 3 4 3 1 1 7 9 4 4 3 4 4 1 3 5 5 3		3 - 1 1 3 - 1 1		1 1 1 5 5	1 1 1 2 1 2 2				111111111111111111111111111111111111111		22211	3 1 6 2 2 1 1 15 2 2 7 7 16 1 16 1 16 1 16 1 16 1 16 1 16 1 16 1 16 1 16	
CENTRAL DISTRICTS.  St. George Bloomsbury - N.R.  St. Giles South WH N.R.  St. Giles North - N.R.  St. Giles North - N.R.  St. Mary-le-Strand H - N.R.  St. Mary-le-Strand H - N.R.  St. Clement Danca H - N.R.  St. Clement Danca H - N.R.  St. Andrew Eastern W - N.R.  St. Andrew Eastern W - N.R.  St. James Clerkeuwell - N.R.  St. James Clerkeuwell - N.R.  Amwell Clerkeuwell - N.R.  Goswell-street - N.R.  Goswell-street - N.R.  City-road HHL - N.R.  Killey-road HHL - N.R.  Finsbury - N.R.  Finsbury - N.R.  Kolborn Union Workhouse, Mitcham w.  St. Botolph H - N.R. E.L.  Cripplegate - N.R.  St. Sephelbre H - N.R.  St. Stephelbre H - N.R.  St. Stephelbre H - N.R.  Bitnau Street H - N.R.  Bitnau Street H - N.R.  St. Bride W - N.R.  Bitnau Street H - N.R.  Bitnau Street H - N.R.	16681 14864 18837 17508 7515 8569 18571 10706 6583 17516 19281 14773 17506 11541 14773 17506 11541 1174 7193 5388 8386 6662	12 8 5 5 14 5 19 118 10 12 15 18 4 - 6 11 28 -	58 4 8 2 7 6 7 5 2 3 3 10 4 4 7 7 1 2 2 - 1 1 5 2 - 2	1 2 1 2 2 7 2 1 2 2 2 7 2 1 2 2 2 7 2 1 2 2 2 7 2 1 2 2 2 7 2 1 2 2 2 7 2 1 2 2 2 2	3 2 3 1 - 4 1 1 1 1 1 3 1 1 3 1 1				1	1				1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 4 6 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse Establishment receiving immates from other Districts than that in which is stands onto at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts.—G.J. significs Grant Junction Company; W.M. West Middlerex; C. Chelsea; S. Southwark and Vauzhall; L. Lambeth; N. R. New River; E.L. East London;

TER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHOEA, VIOLENCE, &c., registered in each Sub-district

turday, the 8th June, 1889.															_			
				-			The	DEA	THS T	egiste	red in	the	Weel	k incl	ude			_
	Enume-			Deat					I	Death	fron						0	2
REGISTRATION SUB-DISTRICTS.	Population, 1881.	Total BIRTHS.	Total DEATHS.	Tear of Age.	Persons aged 60   Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fever	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
East Districts.  Jywell Shoreditch - N.R. & E.L.  Leonard Shoreditch HL* - N.R. orton New Town w - N.R. orton Old Town - N.R. aggerston WH - N.R. & E.L.	7376 14967 29937 28036 - 46275	5 6 20 25 31	2 3 13 6 16	- 24 9	1 4 1 3	11111	11111	11111	1		11111	11111	11111	11111	- - - 1	- - 1 -	1 4 5	1 1 1 2
ackney-road H- reen, Bethnal Green WHL* hurch, Bethnal Green - E.L. own, Bethnal Green - E.L.	29788 47932 29981 19810	29 32 20 15	7 18 5 6	8 3 2 4	7 1	1111	1	1111	1111		1	1111	1111	1, 1	1 -	1	1 9	
pitalfields - E.L. & N.R. file End New Town W Thitschapel Church H codman's Fields - E.L. Idgate - N.R. & E.L.	22585 15473 17490 9713 6102	10 15 18 5 8	12 24 1 1	111	1 5 -	11111	1.	1 1 1 1.1	1 1 00 1 1	11111	11111	11111	11111	11111	1 4 -	14	8 21	1111
t. George's North t. John, St. George East W - E.L.	88747 8410	44	13 6	5	3 5	:	-	-	1	-	-	-	-	1 1	1 - :	1 2	5	1
hadwell HH - E.L. & N.R. ateliff - E.L. imehouse - E.L.	10895 16107 82041	5 10 16	9 6 9	1 1	1 1 8	-		-	1	1.1.1	111	111	-	- 1	2 1	2 1 2	5	1111
file End Old Town West - E.L. file End Old Town East WwwH- E.L.	37960 67653	36. 42	12 17	8 4	2 5	-	1 -	1	-	ī	-	-	-	-	2	3	2	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	87074 64359 55077	\$2 \$5 87	5 85 16	2 3 7	16 2	-	-	-	-	1 - 1	111		-	i	3 -	7	1 16 2	-
BOUTE DISTRICTS.   L. & S.   L. & S.	13663 14999 21381 15958 21318 26672 59555 21623	7 10 16 11 17 10 41 13	4 4 9 9 6 8 20 11	1 8 4 2 1 6 5	- 2	11111111	1	1 - 1		1	1111111	1111111	11111111	1	1	1	3 - 1	1 2 1
tt. Olave WH S. & L. tt. Mary Magdalen W - S. tt. James Bermondsey - S. totherhithe WH S. & K.	11956 16300 15669 54682 36024	16 10 16 34 24	11 5 6 12 13	1 2 2 2 5	8 - 2 1 4	1111	1 -	11111	1	1	-	1111	11111	1 2	2 1.	2 - 1	2 - 2	1 -
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	15195- 16851 19876 39859 45282 35832 62837 19017	18 15 9 24 87 16 47	1 4 16 19 13 8 11 5	1 2 4 8 1 1 2 1	7 8 1 1 -		1	1	- 2 1 1 - 2	1	1111111	1	111111	ī	1 - 1 -	2 - 1	14 9	11111111
Cast Battersea   WwH -   S.   West Battersea   WwH -   S.   S.   Wandsworth   WHL   S.   S.   Streatham   S.   S.   S.   S.   S.   S.   S.   S	54675 52587 36380 28004 13235 25553	34 59 19 25 6 19	15 21 9 10 2 6	9 6 4 - 2	2 7 3 3 1 2		1	1	111111	1 - 1	11111	111111	11111	1	1.	3 -	7	111111
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	59104 71089	5 45 48 84	29 15 21	1 4 4 5	8 2 1		1 2 2	1111	1	2 1 -	1111	1111			111	1	13	1
t. Paul Deptford www K. 3t. Nicholas Deptford K. 3reenwich West H K. Greenwich East WHH K.	76752 7901 21972 24608	70 8 7 27	28 1 5 12	9 1 1 2	6 - 3			2 -	1 - 1	2			1111	2 -	1 -	1 -	3 - 7	1111
Eltham $H$ K. Lee $H$ K. Lewisham $WH$ K. Sydenham $H$ I.	21569 19865 26076	2 7 16 18	1 6 6 3		1 2 1 2	100	1					1111			ī	1 1 1	1 2 -	1111
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	10930 17617 19048 14009 19241	6 13 12 5 16	5 7 6 6 10	1	2 1 3 -		1111		1	11011	. 1 1 1 1	1 , 1 , 1 ,		21161	1 - 1	1		1 1 2
	=	1	=	=	-	-	-	-	-	-		-		-		-	-	-

be following Workhouse Establishments receive inmates from other Table by w:—

Marylebone Infirmary in Kensington Town sub-district.

Central London Sick Asylum in Tottennam Court-road sub-district.

Holborn infirmary in Upper Holloway sub-district.

Holborn infirmary in Upper Holloway sub-district.

Holborn — Hoxton New Town sub-district.

Molic End Old Town Eastern sub-dist.

London City — Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

Private Lunatic Asylums in which papers are received.

Stepney Workhouse in Bromley sub-district.

Poplar a Stepney Sick Asylum

Westmatter Union Industrial School in West Battersea sub-district.

Strand and Holborn Workhouses ontside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.

Metropolitan Asylum District Hospitals in Fulnam. Hampstead, Hackney, Britton, and St. Paul, Deptford sub-districts, and in Dartford,

Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING .- AREA; POPULATION: BIRTHS and DEATHS registered during th

30:1 C F S S S S S S S S S S S S S S S S S S	REGISTRATION SUB-DISTRICTS.  DON - OUTER RING  Carshalton wL - Epsom (part of)* WwH Godstone (part of)* - Croydon WwHHL - Mitcham w† - Wimbledon HHH - Kingston WHH - Esher (part of)* - Hampton H	in Aeres, including Tidal Water and Foreshore.  370,924  12928 9971 2754 20851 11697	Enume- rated Popu- lation, 1881,  950,957  21118 10710	BIRTH8,	DEATHS.	Infants under 1 G	Persons aged 60 or Years & upwds.	Small-pox.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough,		Diarrhos.	106.	Inquest Cases.	Deaths in Publications.	rtifled Causes
and Sub- district Numbers.  LONE  80:1 C   2 E   38:1 C   38:1 C   40:1 I   2 I   40:1 I   2 I   41:1 I   2 I   42:1 E   124:1 E   125:1 I   2 I   125:1 I   2 I   126:I   2 I    2 I     2 I     2 I     2 I     2 I     2 I     2 I     2 I     2 I     2 I     2 I     2 I     2 I     2 I     2 I     2 I     2 I     2 I     2 I     2 I	DON - OUTER RING  Carshalton wL - Epsom (part of) * WwH  Godstone (part of) * - Croydon WwHHL - Mitcham w† - Kingston WHH - Esher (part of) * -	ding Tidal Water and Fore-shore.  370,924  12228 9971 2754 20851	Population, 1881.  950,957	794		Infants	Persons aged Years & upw	Small-pox.	casies.	riet Fever.	theria.	ping-cough.		1006.	106.	sat Cases.	he in Publications.	rtiffed Cause
LOND   Control	DON - OUTER RING  Carshalton wL - Epsom (part of) * WwH  Godstone (part of) * - Croydon WwHHL - Mitcham w† - Wimbledon HHH - Kingston WHH - Esher (part of) * -	Water and Fore-shore.  370,924  12228 9971 2754 20851	950,957	794		Infants	Persons Years	Small-pox.	castes.	riet Fever	theria.	ping-60		1006.	106.	sat Case	titution	Uncertified Of Death.
Numbers.  LOND 30:1 C 2 F 37:1 C 38:1 C 2 M 39:1 M 40:1 F 2 M 40:1 F 2 M 41:1 M 2 C 41:1 F 3 C 42:1 F 41:1 S 4 C 4 C 4 C 4 C 4 C 4 C 4 C 4 C 4 C 4 C	Carshalton wL - Epsom (part of) * WwH Godstone (part of) * - Croydon WwHHL - Mitcham w† - Kingston WHH - Esher (part of) * -	Fore-shore.  370,924  12228 9971 2754 20851	950,957	794		Infants	Persons Years	Small-po	easles.	riet I	the	pir		8	90	at the	he	rti
30:1 C F S S S S S S S S S S S S S S S S S S	Carshalton wL - Epsom (part of) * WwH Godstone (part of) * - Croydon WwHHL - Mitcham w† - Kingston WHH - Esher (part of) * -	370,924 12228 9971 2754 20851	21118		288			Sms	es		1 4	00	9 6	1 1	le	ä	1 2 3	8.
30:1 C F S S S S S S S S S S S S S S S S S S	Carshalton wL - Epsom (part of) * WwH Godstone (part of) * - Croydon WwHHL - Mitcham w† - Kingston WHH - Esher (part of) * -	12228 9971 2784 20851	21118		288	62	70		1 2	Sea	Dip	Wh	Fever.	Dia	Violence	Inq	Dee	On
3 F S S S S S S S S S S S S S S S S S S	Epsom (part of) * WwH  Godstone (part of) * -  Croydon WwHHL -  Mitcham w † -  Kingston WHH -  Esher (part of) * -	9971 2754 20851	1	6			10	-	7	3	6	5	4	.7.	10	17	42	4
3 F S S S S S S S S S S S S S S S S S S	Epsom (part of) * WwH  Godstone (part of) * -  Croydon WwHHL -  Mitcham w † -  Kingston WHH -  Esher (part of) * -	9971 2754 20851	1	6					".				67					
37:1 6 38:1 7 2 8 39:1 7 2 14 40:1 17 2 17 41:1 18 2 124:1 18 2 125:1 11	Godstone (part of) Croydon WwHHL - Mitcham w † Wimbledon HHH - Kingston WHH Esher (part of)	20851		6	10	2 ~	2		-	-	-		1				6	7
38:1 C 9 m 39:1 T 2 H 40:1 H 2 C 42:1 H 2 H 124:1 S 125:1 S	Croydon WwHHL - Mitcham w † Wimbledon HHH - Kingston WHH Esher (part of) * -	20851	1235	1	_			-					-			_	-	-
3	Mitcham w† + - Wimbledon HHH - Kingston WHH Esher (part of) * -		101241	55	24	6	8						-	1	í	1	3	- 23
2 H 3 H 40:1 H 2 H 41:1 H 2 G 42:1 H 2 H 124:1 S 125:1 H 2 H	Kingston WHH Esher (part of) * -	44001	17982	5	1	-		-	-	-	-	-	-	-	,	7		9
3 3 4 1 1 40:1 H 2 H 41:1 H 2 1 41:1 H 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Esher (part of) * -	8220	15950	5	8	1	1		-	-	-	-	-	-	=	1	1	700
40:1   H   2	Hampton H	8849 6601	-36354 9221	26 12	12	1	6		-	-	-	-	-	-	-	-	-	
2 1 41:1 p 2 ( 42:1 p 2 1 124:1 s 125:1 p		4573	13539	10	4	-		-	1	-	-	-	-	-	-	-	-	. =
2 (42:1 F 2 I 124:1 S 2 S 125:1 I	Richmond WH Mortlake	2972 2941	21302 12331	8 7	2 4	2	_	-	1	-,	-	-	-	-	-	-	1 _	1
42:1 E I I I I I I I I I I I I I I I I I I	Bromley (pt. of) * HH	15669	81142	81	10	8	8	-	-	-	-	2	1		-	-	-	-
2 I 124: 1 8 2 8 125: 1 1	Chishrst(pt.of)* WHH	14307	15844	13	7	-	8	-	-	~ 0	1	-	-	-	1	1	9	*
2 8 125:1 1	Bexley H Dartford (Ww, pts. of)*	18437	24134	26	7	2 ~	. 1	-	-	-	-	-		-	-	-	-	100
125:1	Sunbury w	11055	11685	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2 1	Staines W	13277	12089	10	5	2	8	-	-	~	-	-	-	-	-	-	1	- E
8 ]	Hillingdon WHH - Uxbridge	6029	10802 3225	7 2	2	_	2 2	-		_	_	-	3.			-	-	2.4
200-3	Hayes wHL ~ ~	14587	11523	1	2	-	2	-	-	-	-	-	-		-	-	1	=
	Isleworth WHH - Twickenham H	7008 2477	22727 12479	13	14	2	5	-	-	1	-	-		1	1	1	7	8
8 ]	Brentford HL	4345	27649	22	7	1	1		-	-	1	-	1	-	-	1	-	
	Chiswick Acton wH	1340 608 <b>3</b>	15975 22876	10 16	8	2	1	_	-	-	1	1		-	1	1	1	9
	Harrow H	13809	12798	7	2	1	-	-	-	-	-	-	-	-	- 1	-	-	
	Edgware H Willesden	6994 4388	3749 27453	2 89	13	1	- 8	-	-	-	-		-		-	2	- 4	- 17
	Hendon W	8382	10484	8	S	1	1	-	-	-	-		-	-	1 -	-	1	· <u>I</u>
	Bushey Watford (W, pt. of)* -	9331	6621	5	2	-	1	-	·	-	-	-	-		-	-	-	Ø:
	South Mimms	15599	6391	8	1	-	1	_		-	_		-	1		-	-	4
	Barnet Finchiey HL	5483 4688	10092 17615	7	1	-	-	-	-	-	-	-	-	-	-	1	. 1	8
	Hatfield (part of) * -	3806	583	19	7	1	-	-		-	-	-	-	-	1	1	8	-
	Hornsey H	3039	37078	23	9	4	1	-	2					1				6
	Tottenham $H$ Edmonton $Ww \ddagger -$	4642 7483	46456 23463	52	21	8	2	-	1	-	1	1	-	1	-	-	2	3
4 1	Enfield WH	12653	19104	15	7	1 1	2	_	-	1		-	-	1	1	1	2	
	Waltham Abbey Cheshunt	11017 8480	5368 7735	5	2	-	-	-	-	-	-	-	-	-		-	-	1
186:1	Stratford	882	38606	27	8	1	-		-	-	-	-	-	-	-	7.	-	-
	West Ham wwwwH\$- Leyton WwL	7851 4372	101053	123	87	12	8	-	9	1	2	1	-	1	1	1	-	1
	Walthamstow H -	6590	82430 28869	58 83	21	4	8 2	-		-	-	-	- ]	-	-	-	7	-
	Chigwell (part of) * H	11761	9689	7	1	-	-					-		-	1	1	-	8 . 3
		6730	3411	-	-	-	-	-	-	-	-	-	2 .	-	-	-	-	2
8 1	Epping (W, pt. of)* - Romford (part of) * W	8498	Offi	9 8	2	-	-											

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow: \* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:

80:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstons sub-district; 99:26, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parish of Chapter and Sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875): 189:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42.2, Dartford, 187:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospita', Winchmore Hill (see Table δ).

§ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table δ).

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 8th June, 1889.

-		Area			L RATE			The DE	ATHS	regi					nolude	3	
	GREATER	in Acres,	Estimated Population,		living.	DEATHS from	Deat	hs of	_		I		s from	n			Public ions.
	LONDON.	including tidal water and foreshore.	middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-	Fever.	Diarrhee	Violence.	Deaths in P
	Cols.	1.	2.	3.	4.	ь.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
æ	ATER LONDON	448,334	5,642,015	14.7	1.6	1594	368	344	-	46	15	40	31	11	26	68	365
	NNER LONDON - OUTER RING -	77,410 370,924	4,351,738 1,290,277	15·7 11·6	1.6	1306 288	306 62	274 70	-	39 7	12 3	34 6	26 5	7	19 7	58 10	323 42

OTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

Table 8.—Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,606,200 Persons.

				-8	_			_					
						A	DE	ATHS	FROM D	PRINC	33.	ZYMO:	
* CITIES.	POPULATION (enumerated or estimated).	DA OF RE	TURN.	BIRTHS. Exclusive o	DEATHS.	ANNUAL DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
ALCUTTA	433,219	April	13	-	172	20.7	4	1	-	~	-	42	28†
OMBAY	773,196	May	14	268	513	29.3	21	35	-		-	167	29†
(ADRAS	398,777	April	5	311	355	46°2	1	75	?	?	?	69	39†
ARIS	2,260.945 -	June	1	1274	884	20.3	3	13	9	33*	7	17	54
th 8 Faubourgs.)	471,606	39	1	257	178	19.6		-	-	-	3	1	16
MSTERDAM -	403,083	***	1	256	189	24.6	-	7	1	3	2	2	-
COTTERDAM -	197,723	95	. 1	130	93	24'3	-	11	-	-	~	1	-
HE HAGUE -	153,440	99	1	106	44	14'9		-		-	-	-	-
OPENHAGEN -	307,000	May	25	199	135	22.9	-	-	-	7	3	1	13
TOCKHOLM -	221,549	99	25	150	83	18.9	-	-	1	· 2*	-	-	10
HRISTIANIA -	138 300	June	1	58	43	16.2	-	1	-	-	2	8	4
r. Petersburg	842,883	May	25		550	34.0	2	6	9	4	4	18	58
INBLIN	1,470,582	33	18	856	596	20.9	-	1	4	16	5	4	71
[AMBURG(State)	675,276	,,	25	364	243	22.0	-	-	1	4*	2	2	7
RESDEM	264,196	**	25	157	128	24.6	5		-	3*	5	3	7
BRESLAU	315,000	June	1	207	184	30.7		4	-	3*	2	-4	26
IUNICH	281,000	May	25	213	170	31.0	-	7	1	4*	**	1	27
IENNA	811,434	99	25	582	399	25.6	-	11	1	7	2	3	37
'RAGUE	304,356	99	25	-	160	27.4	4	1	1	5	3	1	5
BUDA-PESTH .	452,907	>>	25	355	279	32.0	-	-	อั	5	2	3	25
PRIESTE	158,084	29	25	-	46	15.1	-	-	-		1	-	2
tome	401,044	April	20	198	181	23.2	5	6	400	8	- 1	7‡	4
PURIN (10 days)-	306,398	May	10	-	-	-	-	-	-	-		-	-
VENICE	153,375	23	25	83	76	25.9	3	4	-	3*	-	2	3
CATEO	374,838	,,	16	363	403	56.8	12	6	-		2	20	139
ALEXANDRIA -	231,396	19	16	151	189	42.6	3	4	-		-	12	36
NEW YORK -	1,549,500	17	18	-	744	25.1	-	7	26	44	12	5	16
BROOKLYN -	814,505	99	18	-	345	21.9	-	5	11	22	6		6
PHILADELPHIA -	1,040,245	22	18	-	420	21.1	1	6	5	5 2	7	17	7
BALTIMORE -	500,343	29	18	-	144	15.0	1	-	1	2		1	

<sup>\*</sup> Including deaths from croup.
† Including 20 deaths from cholera in Calcutta, 7 in Bombay, and 2 in Madras.
‡ Including 5 deaths from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROXAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 8TH JUNE, 1889. [ I'mden the Sun emintendence of the Astronomer Ronal.]

1									- 1	16660	1000	ya		9 0 5 7 8		٠ 0	<b>9 9</b>	R_ 0	97	8	ي و
		. Ozone.		67	. es	1.5	0.0	0.0	0.0	0.0	1.5	27	sea; n	ter, are cussion ler, and reading	the ai	graphi	r," and	t beloved, and	r. The	it, sho	8 to tag
ı	Rain	in a Gauge whose	surface is 5 inches above the Ground.	in.	0.00	00.0	00.0	0.53	80.0	00.0	Sum 0.31	26	of the	rmome n a dis	the mare of are development	photo	1875. "highe	wo feel Deptfor	romete s. stroi	trumer	Diriginal
	-		Depar- ture from Average of 16 Years.	Miles.	+ 61	-105	67	1 21	- 49	- 61	Sum -223	25	an level o	bulb the uced from for the b	dings of mperatu humidity	on of the	ending	pth of turket at linstruction	ng Elect	hine Inst	29.73 in. at the beginning of the week to solve in
		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	908	141	245	198	203	191	Sum 1511	24	e the me	the wet tions ded ling 1873 Vith the c	ted mean of the readings of the maximum daily value of temperature of the air ure and degree of hundidity are deduced high thermometers by Closhows.	discussi	e 16 years that + ir	d at a del Cattle Ma under	registeri	kes Suns	Deginning
ı	ometers	0	Mean Not 24 hourly obs.	lbs.	0.3	0.0	7.0	0.0	0.0	0.0	:	23	et abov	er, and correctars en	mean (ily val) and d	from a	for th mind	reign ( larket,	a's self	ell-Stol	at the
ı	m Anen	Pressure on the	Least. h	lbs. 1	0.0	0.0	0.0	0.0	0.0	0.0	:	22	159 fe	nometo	rected	rived	ecords rne in	are sur the Fo	homsolive; w	Sample of day.	.78 in
i	seed from	Pressu	Great-	lbs. 1		4.0	2.2	2.2	2.0	0.2	:	21	eter is	pplical he twe	the mean the mean temperat	hat de	etric r	es of srk of	rom T negat	on eac	06 mos
I	Wind as deduced from Anemometers	Osler's.	P.M.	WYWAN	:	SW. & E.	NNE.	ENE. & NE.	NNE. & NE.	N. & NNE.	NE.	20	f the barom	the dry bulk ues by the a ade during t	s combined to forming to dew point of the dry g	the air is t	the anemomind 25 it will	of the jetti of the jetti by the Ck	is derived from Thomson's self-registering Electrometer. The positive; N. negative; w. weak; m. moderate; s. strong; and	derived from the sunshine perological of	midnight.
al.]		General Direction.	A.M.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		SW. & WSW.	E. & NE.	NNE. & N. E	NE. & E.	NNE. & N.	SW. &	- 19	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.	Overviced and use the state of the day build thermometer, and with the means of the experiencings of the barometer, the day build thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1873 for the barometer, and during the twenty years ending 1873 for the barometer, and during the twenty years ending 1873 for the barometer, and	of the dry bulb thermometer us componed the operated of the resultates of the manimum of the dry that and minimum thermometers, forming the mean daily value of temperature of the air an inimum thermometers, forming the mean daily value of temperature of the air the air and air and the dry day to the mean daily and the dry and were thin thermometers by Calashara drought to the mean daily as the dry and were built thermometers by Calashara drough	metrical Tables.  The average temperature of the air is that derived from a discussion of the photographic mode of Commission of the photographic and discussion of the photographic mode of Commission of the photographic	of the air from a discussion of the anemometric records for the 36 years ending 1875.  In reading the columns 9 and 25 it will be borne in mind that + indicates "higher,"  "Annew", than the avenue.	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jettles of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Cornoration of London.	The record of Electricity is derived from Thomson's self-registering Electrometer, symbols employed are :F. positive; N. negative; w. weak; m. moderate; s. strong v. variable.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the largerested curration of bright sunshine on each day.  The results of all the meteorological observations are to be understood as constraint to the contract of the c	midnight to
er Royal.	7	Water hames ford.	Low-	0 62.7		9.89	:	:	:	:	:	18	tht of has be	gs of the into n tograple twent	build the mum the (). The	ables.	from a ing the	rmome e, at th lings a	sord of	mbers i	or fron
ronom	TEMPERATURE	Of the Water of the Thames at Deptford.	High-	08.89	64.3	季.季9	:	:	:	:	:	17	he heig	readin verted he pho ing the	he dry mini umn 8	metrical Tables. The average to	he air n read	he the surfac ir read	he real	he nu	il day,
the Ast	MPER		Lowest on the Grass.	0 21.7	47.5	45.0	0.97	54.3	26.4	53.5	2.02	16	Corre			H S				the	civ
Under the Superintendence of the Astronomer	TE	Of Radiation.	High- est in Sun's Bays.	0 187.0	143.9	140.2	135.5	133.2	143.5	9.18	130.7	15		very fine A very	oudless	cloudy	cloudy	evening, with Thunderstorm	fine and partially overcast afterwards.		
rtender	-	Degree of Hu- midity		. 64		74	54	177	83	36	73 1	14	zá	ng; ve	ing; el	partially sht.	afternoon;	l evenir Thund	and 1 ast afte		
uperi	ween	ature Int	Least.	0.4	1.3	1.1	0.0	6.4	9.0	9.0	1.3	13	GENERAL REMARKS	and foggy in early morning; s, with small amounts of cloud.	Partially cloudy till evening; cloudless	ning; r s at nig	till after	fine till valent. ry hot.	g; fine any overcast Sultry day.		
r the B	ded eou	the Air Temperature and Dew Point Temperature.	Great-	0, 10	20.5	22.3	23.8	8.13	14.8	1.0	1.61	12	L REI	early amoun	sloudy t	rly mor	fine ti	rery illy pre-	morning	Cool.	
Unde	Differe	the Air and Ter	Mean daily value.	0.61	11.3	50	0.41	9.4	2.5	2.3	9.3	11	NERA	and foggy in early with small amor	rtially e	s in ea	very	orning; genera at nigb	early 1	ghout.	
	-	Of the Dew Point.	Mean daily value.	0.99	2.19	54.3	47.1	58.0	0.79	24.3	25.0	10	G.E.	and fo s, with Lightn	ie. Pai	Mondles	ss and	t in me t cloud y rain	ng in Il 2h. P itorm ii	Overcast throughout, Cool	
	RE.	1	De- parture from Average of	0 +	+ 5.1	+ 4.7	6.9 +	+ 8.5	8.8 +	- 1.9	+ 6.1	6		Cloudy a afterwards, hot day. L	Very fine. at night.	Fine. Cloudless in early morning; partially cloudy till evening; generally cloudless at night.	Cloudless afterwards.	Overeast in morning; very fine til little light cloud generally prevalent. with heavy rain at night. Very hot.	Lightning in early morning; cloudy till 2h. P.M.; gengrally of Thunderstorm in alternoon. Sulf	Overcas	
		dr.	Mean daily value.	2.09	0.89	8.79	64.1	66.5	67.2	56.6	64.3	00	above rizon,	16.3	16.3	16.3	7.91	16.4	16.4	16.4	Sum
	TEMPERAT	Of the Air.	Daily Range.	08.86	24.9	29.1	22.7	29.2	25.2	8.9	23.8	7	ed Sun e, Ho B. in b		16	+	7	<u> </u>		_	
			Low-	0 64.4	52.0	49.8	25.1	7.79	56.4	53.0	53.4	9	Registered Sun above Sunshine, Horizon, in hours.	1.01	11.9	9.9	10.6	6.5	4.4	0.0	Sum
	-		High-	0 00	6.94	6.84	15.4	83.0	81.6	2.09	2.11	2		-			ion {				
	BARO-	Mean daily reading	rected and re- duced to 320 Fahren- heit).	in.	29.758	30.125	30.161	₹06.66	29.812	29.716	29.859	4	ELECTRICITY. (For explanation of symbols, see Note.)				The electrometer was not in action the week.				
		Phases	Moon.		: :	:	:	First Qr.	:	In Equator.	:	3	For ex symbols				The vas no hroughe			**	
			9	. 6	3 00	4	70	6 Fi	1	_ & 	1 .	1		91	00	4	24	9	t-	- 00	
		1889.	Mower and Day.	JUNE.	Mox.	TURS	WED	THURS	FRI	SAT.	MEANS	No. of Col.	DATE.	UNDAY	COMDAY .	UESDAY .	EDMESDAY	THURSDAY.	PRIDAY .	SATURDAY .	

### OFFICIAL COPY.

# WEEKLY RETURN

#### LONDON DEATHS IMAND BIRTHS

# TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 24. 1889. Vol. L.]

WEEK ENDING SATURDAY, JUNE 15.

Price 11d.

General Register Office, Somerset House, 17th June, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 16.6 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

believily wilding			ending	5.1	11 11 12 1331 13 71			Weeks	ending	
Towns.	May 25.	June 1.	June 8.	June 15.	Towns.		May 25.	1.	June 8,	June 15.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull Leeds - Leicester* -	16·3 19·8 28·2 17·8 12·9 16·6 14·8 12·2 22·5 15·2	16·9 17·6 21·4 12·7 13·7 13·6 17·6 14·8 25·7 18·0 20·6 18·5	22·8 17·3 16·9 18·0 13·0 14·8 21·7 27·0 19·7 22·1	13·5 20·7 15·9 16·4 11·1 16·4 17·6 14·3 20·6 19·1 19·6 18·7	Manchester Newcastle-on-Tyn Norwich - Nottingham Oldham - Plymouth - Portsmouth Preston - Salford* - Sheffield - Sunderland	-*	15·2 28·8 24·6 15·5 19·1 20·2 28·7 13·3 30·5 21·8 17·1 21·0	13·8 25·1 25·3 17·1 16·0 18·7 29·4 18·1 38·6 17·4 18·2 18·7	$18 \cdot 1$ $15 \cdot 7$ $30 \cdot 2$ $22 \cdot 7$ $13 \cdot 8$ $17 \cdot 8$ $20 \cdot 2$ $26 \cdot 0$ $15 \cdot 1$ $36 \cdot 1$ $21 \cdot 6$ $19 \cdot 5$ $21 \cdot 4$ $25 \cdot 3$	15·0 26·3 20·4 13·3 12·7 17·6 20·0 14·4 33·0 15·1 17·9 21·0

The highest annual death-rates, measured by last week's mortality, were :- from measles, 1.7 in Huddersfield, 1.8 in Bolton, 1.9 in Leeds, 2.6 in Manchester and in Halifax, 4.3 in Hull, and 6.0 in Preston; from searlet fever, 1.6 in Salford, and 2.7 in Plymouth; from whooping-cough, 2.0 in Plymouth and in Preston, and 2.2 in Bradford; and from "fever," 1.6 in Derby. The 36 deaths from diphtheria in the twenty-eight towns included 26 in London, 3 in Manchester, and 2 in Salford, Small-pox caused no death in any of the twenty-eight great towns.

#### LONDON.

In LONDON 2396 BIRTHS and 1247 DEATHS were registered. Allowing for increase of population, the births were 288, and the deaths 180, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 15.2, 13.8, and 15.7 in the three preceding weeks, declined again to 15.0 last week. During the first eleven weeks of the current quarter the death-rate averaged 16.2 per 1000, and was 3.4 per 1000 below the mean rate in the corresponding periods of the ten years 1879-88.

The 1247 deaths included 32 from measles, 11 from scarlet fever, 26 from diphtheria, 37 from whooping-cough, 8 from enteric fever, 2 from ill-defined forms of continued fever, 34 from diarrhœa and dysentery, and not one from small-

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated, , A 58256.—11. 610.—6/89. Wt. 14.

pox, typhus, or cholera; thus, 150 deaths were referred to these diseases, being

71 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 18; no small-pox patient was under treatment in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had been 47, 31, and 39 in the three previous weeks, fell again to 32 last week, and were 34 below the corrected average; 3 belonged to Pancras, 4 to Whitechapel, 3 to Camberwell, and 4 to Greenwich sanitary areas. The fatal cases of scarlet fever, which had been 16, 4, and 12 in the three preceding weeks, numbered 11 last week, and were 18 below the corrected average; 4 (including 2 in North Street, Limehouse) belonged to Stepney sanitary area. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 572 scarlet fever patients, against 603, 587, and 570 on the three preceding Saturdays; 33 cases were admitted to these hospitals during the week, against 57, 49, and 39 in the three previous weeks. The deaths from diphtheria, which had been 21, 16, and 34 in the three previous weeks, fell again to 26 last week, but were 9 above the corrected average; 2 belonged to Marylebone, 4 to Hackney, 3 to Shoreditch, 3 to Stepney, 2 to Lambeth, 2 to Wandsworth, and 2 to Camberwell sanitary areas. The 37 deaths from whooping-cough exceeded by 11 the number in the previous week, but were 14 below the corrected average; 5 belonged to Chelsea, 3 to Islington, 3 to Rotherhithe, 3 to Battersea, and 3 to Camberwell sanitary areas. The deaths referred to diarrhea and dysentery, which had risen from 13 to 19 in the three preceding weeks, further rose to 34 last week, and exceeded the corrected average by 7; 29 were of children under 5 years of age, and 5 of persons aged 60 years and upwards.

The deaths from enteric fever, which had numbered 5, 9, and 3 in the three preceding weeks, rose again to 8 last week, but were 3 below the corrected average; 2 belonged to Lambeth sanitary area. Fifteen cases of enteric fever, but not any of typhus, were under treatment in the Metropolitan Asylum Hospitals on Saturday last; 3 cases of enteric fever were admitted during the week, against

3 and 5 in the two previous weeks.

The deaths referred to diseases of the respiratory organs, which had been 162 and 205 in the two previous weeks, fell again to 169 last week, and were 67 below

the corrected average.

Different forms of violence caused 48 deaths; 42 were the result of negligence or accident, among which were 16 from fractures and contusions, 4 from burns and scalds, 6 from drowning, 3 from poison, and 12 of infants under one year of age from suffocation. The 16 deaths from fractures and contusions were thus caused: -7 by accidents from vehicles in the streets; 1 by accident on railway; 1 by kick of a horse; 1 by fall from ladder; 1 by fall into area; 4 by fall, the nature of which was not stated; and 1 by fracture, the cause of which was not stated. An inquest was held in each of these 16 cases except the last and one of the 4 deaths by fall last mentioned. Six cases of suicide were registered, being 3 below the corrected average.

#### GREATER LONDON.

In Greater London 3085 births and 1551 deaths were registered, corresponding to annual rates of 28.5 and 14.3 per 1000 of the estimated population. In the Outer Ring 8 deaths from diarrhea, 7 from diphtheria, 7 from who ping-cough, and 6 from measles, were registered. Two fatal cases of diphtheria were returned in Tottenham, and 2 in West Ham sub-districts; and 2 of measles in Acton subdistrict.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.70 ins.; the lowest reading was 29.46 ins. on Sunday evening, and the highest 29.86 ins. at the end of the week. The mean temperature of the air was 56.8, and 2.0 below the average in the corresponding weeks of the 20 years ending 1668. The mean was below the average on every day of the week except Thursday, when it was somewhat in excess. The direction of the wind was variable, and the horizontal movement of the air averaged 7.9 miles per hour, which was 2.6 miles below the average in the corresponding weeks of 16 years. Rain fell on three days of the week, to the aggregate amount of 1.73 inches. The duration of registered bright sunshine in the week was 3.3 hours, against 18.6 hours at Glynde Place, Lewes.

Column   C	-					1	-	-							-											-		-					T	_		
Colored   Colo			CITIES	BOROUGHS.		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPTON	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	LIVERPOOL	ROLTON.	•	MANCHESTER.	OLDHAM.	BLACKBURN.	PRESTON.	HUDDERSFIRED.	HALIFAA.	BRADFORD.	CHEBBETT D	H III.	SUNDERLAND.	NEWCASTLE.	CARDIER.				
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Popularion   Registered during   Deaths of the Week enaling   Deaths of	рпа	he Dr.		.89[a.	Mea	7.	132	32	6.1	1 1	1	4	63	-	г	ŧ	i	1 4	. co	4	19	- 0	M 3	12	හ	4	67	13	4	17	1 .	4	1	1	13	4
Population   Registered during   Population   Populatio	ATHS	H		.xoq-fl	Sms	6.	1	1	1	1 1	1	1	1	1	ı	1	1	1	1	1	1	1	1	1 1	1	1	1	1	1	1	1	1	! =	1	1 1	
POTTLATION   Registered during   Death standard   15th June, 1889.   Death standard   15th June, 1889.   Death standard   15th June, 1889.   Death standard   15th June, 1889.   Death standard   15th June, 1889.   Death standard   15th June, 1889.   Death standard   15th June, 1889.   Death standard   15th June, 1889.   Death standard   15th June, 1889.   Death standard   15th June, 1889.   Death standard   15th June, 1889.   Death standard   15th June, 1889.   Death standard   15th June, 1889.   Death standard   15th June, 1889.   Death standard   15th June, 1889.   Death standard   Death sta	8, U.B		9	ons aged Years opwards	Pers 60 and u	5.	610	283	70 ·	G 4	2 4	50	H	12	11	16	70	1	450 440	00	13	30	0 14	15	10	00	1	25	22	15	9	16	_	19	32 %	20
Cols. 1. Col		Done	Dear	lo Tas	X 1	4.	722	293	4	11	10	16	-1	66	18	10	00	6	4	10	49	14	14	15 T	9	4	25	30	24	15	13	18	0	19	140	70
Cols. 1. Col	-	luring				80	3031	1247	56	68	8 %	72	37	118	48	58	272	25	211	35	191	89	48	93	84	32	74	128	112	200	54	63	200	93	236	707
Cols. 1. Col	LABL	wistered .	th June.		втив. D.	33	045	2396	38	104	46	16	39	244	81	107	46	54	283	63	142	98	7.0	55	59	47	95	224	196	114	200	97	co	178	377	COT
[0]									10	92 9	) FC		4	10	02	22	63	-	22	2	00	S 1	G 10	34	25	08	99	49	27	17	200	30	77	- 00	4 8	30
[0]		THE PLANT	opula Tr	to the middle of the Year 1889.		1.	9,555,4	4.351.73	121,80	141,25	78.99	229,36	82,54	454,83	150,52	237,81	98,52	102,5	606,56	114,6	878,86	234,2	192,4	104,1	92,8	81,0	235,0	857,4	327,2	208,0	184,1	1197	1) Z, (	266,90	528,14	ntana
CITIES  AND BORUGHS,  28 TOWES* LONDON PORTSMOUTH NORMICH PLYMOUTH NORMICH PLYMOUTH NORMICH PLYMOUTH PLICKETER NOTHNGHAM PRENINGHAM HUDDESFIEL HALIPAX PRENING PRENIN			4			ols.			•	•		•	NOI	•	•	٠	•	•	•	•	٠				. 0	٠	•	٠	•		•		•	•		
			CITIES	AND BORUUGHS.		55	28 TOWNS *	· MOUNT	BRIGHTON -	PORTSMOUTH	NORWICH .	PLYMOUTH -	WOLVEBHAMPT	RIDWINGHAM	LEICESTER *	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL .	BOLTON	MANCHESTER	SALFORD* .	8		HUDDERSFIEL	HALIFAX .	BRADFORD* -	LEEDS	SHEFFIELD .	HOLT .	SUNDERLAND	NEWCASTLE -	CARDIEF.	LDINBURGH -	GLASGOW .	O Data

Table 2. LONDON.—Births and Deaths Registered in the TWENTY-FOURTH Week of each of th Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1883	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females .	2414	2368	2480	2493	2477	2805	2375	2287	2513	2399	2683·7	2396
	1238	1187	1277	1213	1275	1463	1212	1155	1226	1260	1363·7	1201
	1176	1181	1203	1280	1202	1342	1163	1132	1287	1139	1320·0	1195
TOTAL Deaths Males Females .	1351	1243	1403	1335	1279	1450	1284	1182	1390	1167	1426·8	1247
	721	661	730	665	658	762	666	623	709	628	744·1	6 <b>9</b> 5
	630	582	673	670	621	688	618	559	681	589	682·7	612

The numbers in this column are the average weekly numbers in the twenty-fourth weeks of the ten years 1879-88, raised by 9 046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LUNDON.—			ATHS,					u tue		ينفينف	انسنا	AAEE	
	Mar. 23.	Mar. 30.	Apr.	Apr. 13.	Apr. 20.	Apr. 27.	May 4.	May 11.	May 18.	May 25.	June 1.	June 8.	June 15.
TOTAL Births	2670	2808	2676	2509	2488	2522	2712	2565	2648	2402	2405	2523	2396
Total Deaths	1554	1476	1572	1493	1426	1462	1386	1295	1231	1267	1151	1306	1247
Ages at Death Death 0-20 years - 20-40 , - 40-60 , - 60-80 , - at 80 years & upwds.	666 165 274 366 83	642 200 274 287 73	729 175 287 305 76	671 183 266 310 63	670 174 214 299 69	708 171 256 264 63	626 184 266 258 52	577 175 251 245 47	571 169 205 232 54	608 152 221 224 62	506 143 209 237 51	601 186 245 234 40	564 173 227 236 47
", {Under 1 year - 1-5 - 5-20	317 276 78	316 242 84	368 261 100	322 251 98	299 279 92	361 273 74	309 246 71	287 218 72	267 225 79	301 222 85	242 181 83	306 205 90	293 184 87
Deaths from Small-pox	-	_	-	-	-	-	-	_	-	_		-	
", ", Measles	84	56	74	72	70	65	68	60	53	47.	31	39	32
" " Scarlet fever -	6 23	11	15 26	13	10 22	9	15 21	10	7	16	4	12	11
Whoming cough	42	51	49	43	51	56	55	37	24 36	21 48	16 49	34 26	26
y, y, Typhus	-	_	_	. 1	_	_	_	-	-	-	-	-	- 31
" " Enteric fever -	4	8	9	10	6	3	5	5	7	5	9	8	8
" " SimpleContafever	-	-	-	1	-	1	2	4	1	1	-	4	2
,, ,, Diarrhea and Dysentery -	18	9	17	11	10	18	12	10	14	13	14	19	31
" " Cholera -				_	_	-	-		-	1	-	1	ш
,, all the above- mentioned Diseases	177	153	190	187	169	181	178	149	142	152	123	138	150
" " " Dis. of Respira- tory System	378	332	364	294	300	305	242	213	217	177	162	205	169
" " Phthisis	139	153	170	152	128	164	143	125	137	148	144	174	162
" " Dis. of Circula- tory System	127	153	146	135	98	119	154	134	97	98	101	97	106
Violent Deaths	53	52	69	68	57	69	55	66	51	48	55	.58	48
Inquest Cases	111	125	130	130	111	116	107	125	85	89	104	91	109
Deaths in Public Institutions	366	354	340	325	315	331	315	310	311	342	290	323	290
Temperature of the Air	42.5	45.6	43.5	43.5	46.5	47.5	50.8	57.7	54.0	61.9	55.7	64.9	56.8
Mean of Highest readings -	50.3	54.6	51.8	50.4	55.3	57.8	61.9	67.9	64.5	75.1	64.9	64.3	64.0
Mean of Lowest readings -	35.7	38.6	37.4	38.6	39.8	39.1	41.5	49.1	46.7	50.8	43.0	53.4	51.7
Humidity of the Air	80	81	78	90	84	80	79	77	85	77	82	73	89
Rain-fall in inches	0.23	0.11	0.27	0.56	0.10	0.75	0.79	0.71	0.19	0.51	1.33	0.31	1.73
Registered Sunshine (in hours)	18.4	14.3	21.3	8.6	12.5	31.3	39.8	37.5	27.7	49.1	47.2	50.1	3.3

### METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-ham; J. Hartnup, Esq., F.R.A.S., Liverpool: H.O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 2. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the TWENTY-FOURTH Week of the Year 1889.

				I W.	ENT	X-E	001	CTH	YV (	eek of the Year 1889											
	for the years		In	the rday							for the	In the Week ending Saturday, 15th June 1889.									
	rages for the 10 y		De	aths	of I	erso	ns o	f			ges fo	Deaths of Persons of the Ages									
CAUSES OF DEATH.	Corrected Averages 24th Weeks of the 10 1879-88.	ALL AGES.	0-1.	Inder 20.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	so Years and upwards.	CAUSES OF DEATH.	Corrected Averages fath Weeks of the 10 1879-88.*	ALL AGES.	1	Unde 20.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	ou Years and		
ALL CAUSES	1426.8	1217	293	184	87	173	227	236	47	Diseases of Organs of Special Sense † }	2 3	2	1	1	-	-	-	-	-		
Small- Vaccinated! -	}18·0{	-	-	-	-	-	-	-	-	Diseases of Circulatory	90.8	106	-	1	7	17	25	51	5		
No Statement Measles	66.4	32	7	21	1 4	-	-	-	-	Croup	12.0	3	-	2	1	-	-	-	-		
Searlet Fever Typhus	0.2	-	-	-	-	-	-		-	Bronehitls Pneumonia Pleurisy Other Diseases of Respi-	121·3 74·9 3·1	78 61 10	26 16	8 22 1	1 -	3 5 8	18 10 3	19 6 2	3 2 1		
Relapsing Fever 7 Influenza Whooping-cough	0.0	37	10	26	1	-	-	-	-	ratory System {	25.1	17	3	5	-	1	4	- 4	-		
Diphtheria Simple Continued and	16.8	26 2	3	18	4	1	-		-	Dentition † Quinsy, Sore Throat † - Enteritis Peritonitis	12.0 3.0 6.2	16 3 13	9 6	7 2 -	1 2	- 2	-	2 2	-		
Ill-defined Fever -   Enteric Fever   Cholera	10.8	8 -	-	-	4	4	1 3	-	, ,	Diseases of Liver - Other Diseases of Digestive System -	5·7 32·0 29·7	3 27 22	1 7	1	1 2	2	15	8 7	-		
Diarrhea, Dysentery - Remittent Fevert	26.8	34	24	5 -	-	-	-	4	1 -	Diseases of Lymphatic)	0.9	2		-	1	-	1		_		
Hydrophobia Glanders Cowpox and Effects of )	0.0	-	-	-		-	1 1	-	-	System & of Ductless Glands † -		_			_			_	-		
Vaccination †   Venereal Affections -	8.9	7	5-	-	-	2	1 4	-	-	Diseases of Urinary System}	33.9	31	-	_	1	5	12	10	3		
Pyzmia and Septiczmia † Puerperal Fever – –	4.8 2.6 3.7	3 1 3	2 -	-	-	3	1 1 1	1		Diseases of Generative } System - Accidents of Childbirth -	6.0	2 2	-	-		- 2	2	-			
Other Zymotic Diseases t	2.7	2	1	-	-	-	-	1	E	Diseases of Locomotive )	8.7	8	_	2	1	2	3	-	-		
Thrush Worms and other Para-}	2·3 0·2	-		-	-	-	1 1	-		Diseases of Integumen-)	5.1	2	2		_	_	_	_	-		
Starvation, Want of Breast-milk † }	0.6	1	1	-	-	_	-	-	-	tary System}				-		-	-	-	-		
Alcoholism	6.4	7	-	-	-	4	8	_	-	VIOLENT DEATHS.Ş (Accident.)		I									
Rheumatic Fever. } Rheumatism of Heart† } Rheumatism † -	8.7	6	-	1	1	8	1	1		Fracture and Contusion Gunshot Wound Cut, Stab Burn and Scald	0.0 0.2	16		2 -	2 -	7	1 -	3 -	1 -		
Gout Rickets †	8·3 5·6	4 5	- 3	2		-	.2	1	1	Poison Drowning Suffication	4.5 0.8 9.9 8.3	3 6 13	12	3	1 6	-	1	1	1111		
Cancer Tabes Mesenterica -	52.0 23.3	64 22	9	- 6	6	6	28	29	1 -	Otherwise	2.6	_		1	-	-	-	_	-		
Tubercular Meningitis - Phthisis Scrofula, Tuberculosis -	163.1 16.6	26 162 16	8 8	3 8	6 18 1	80	47	11	-	(Homicide.) Murder & Manslaughter	1.9	1-1	-	-	-	-	-	-	-		
Other Constitutional Diseases † }	9.6	6	1	-	1	1	3	-	-	(SUICIDE.) Gunshot Wound	0.8										
Premature Birth Atelectasis †	85.8 8.2	39 3	39	-	-	-	-	-	-	Cut, Stab Poison Drowning Hanging	1.4 2.0 1.5 2.4 0.4	1	1111	111			1 2		1 -		
Congenital Malforma-} tions	6·0 45·2	5 48	3	2	-	-		- 28	20	Otherwise	0.4	-	-	-	-	-	-	-	-		
Apoplexy	41.5	38	-	-	-	5	17	12	4	(Execution.) Hanging	0.0	-	-	-	-	-	-	-	-		
Epilepsy Convulsions Other Diseases of Brain?	7·4 47·1	12 39	85	4	-	5	ŏ -	-	2 -	OTHER CAUSES †	55°5	42	37	1	-	-	-	2	2		
and Nervous System	83.9	78	8	8	11	17	17	27													

<sup>\*</sup> The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9'048 per cent, for increase of population.
† As the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.
† Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."
† The critical products is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, unanlaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON.—POPULATION; BIETHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

	The DEATHS registered in the Week include																	
	Enume-			Deat	hs of	Deaths from									1		1.	
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881	Total Bibrus	Total DEATHS.	Infants under I Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measion.	Scarlet Fever.	Diphtheria.	Whooping-eough.	Typhus.	Enteris (or Lyphoid) Fever.	Simple con-	Diarrhoa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LONDON	3,815,704	2396	1247	293	283	-	32	11	26	37	-	8	2	34	48	109	290	6
West Districts	669,688 905,947 282,288 692,788 1,265,148	339 564 129 418 946	235 260 70 262 420	68 58 10 63 94	44 63 8 68 100		8 7 1 4 15 -	1 1 - 4 5 -	4 7 2 4 9	18 7 1 8 14	-	3 - 5	1 - 1 -	9 8 - 14 8 -	4 13 3 11 17	9 29 4 39 28 —	68 79	2 - 4 -
St. Mary Paddington WHH G.J. &W.M. St. John Paddington H - G.J. Sensington Town Ww - W.M.	69888 37880 120141	87 8 70	26 10 38	10 8 10	5 - 9	1111		1	1 1 -			-	-	3 -	1 2 -	1 2	7 6 12 2	1 1 1
Brompton H - W.M. & C.  St. Peter Hammersmith - W.M. & G.J.  Fulham Www - W.M. & G.J.	48010 7899 64340 42900	7 58 52	13 2 20 31	3 - 7 10	5 1 2 3		1	-	1	- 1	-			1 3	-	1 2	2 6	
Chelsea South HHH - C. C. Chelsea North-east C. C.	0396 24925 32807	12 15 21	14 19 12 5	5 8 3	4 4 2	1111	1111			2 2 1 1 1	1 1 1 1	-		1111	1118	1 -	5 12 - 4	1
May Fair WW G.J.  Reigrave WHHH C.  St. John Westminster HHH - C.  St. Margaret Westminster H - C.  St. James Westminster WHH N.R.&G.J.  St. Anne Sobo HHHUHHH - N.R.	80353 59220 35496 24679 29941 16608	16 10 6 5	13 8 8 13 3	2 4 2 4 1	2232	11111	1 2 2	11111		1 1 1	1111	11111	110 11	1 1 -	11111	1	4 5 2 3 -	1
NORTH DISTRICTS.  All Souls Marylebone HHHHH - W.M. Cavendish Square HHHHH - W.M. Rectory Marylebone WH G.J. & W.M. Rt. Mary Maryleb, HHH G.J. & W.M. Christohurch Marylebone IIII - W.M. St. John Marylebone H - W.M. Hampstead Www.HHHHH N.R. & W.M.	26759 14891 24809 21118 33700 33638 45452	11 5 11 27 21 14 85	8 5 14 4 11 11 11	2 2 8 5 4	8 1 3 1 3 2 4		1	111111	1	1	111111	1		1	1 2 3	- - - - 2 1	5 - 4 4	111111
Regent's Fark Paneras   H - W.M.   Tottenham-court   wHHHH N.R.k W.M.   Gray's Ina Lane   HHH - N.R.   Somors Town   H N.R.   Camden Town   WH N.R.   Kentish Town   W N.R.   Unper Holloway   WWH N.R.	89115 27729 30247 84369 17811 87487 67946	27 23 18 9 12 52 49	10 8 11 9 20 24	3 2 3	1 2 1 3 3 5 8		1	1 1 1 1 1 1 1	1	1 1 1 1 1	111111			111111	1 2 1 1 2 -	2 4 8 1 0 4 -	2 2 1 5 2	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	100976 61895 52048 22781 9277	55 26 89 11 15	25 15 11 10 2	3 6 5 1 2	6 3 3 2 -		1		2	2 1 1	1111	1	1	1	11111	1	1	
West Hackney H - N.R. Hackney Wwww.H - E.L.&N.R. South Hackney - E.L.	87610 76911 39883	26 53 25	8 23 7	2 8 4	8 -		1	1	1 2 -	-		1	=		1 -	1 2 1	3 12 -	
St. George Bloomsbury - N.R. St. Giles South WH - N.R. St. Giles North - N.R. St. Martin-in-the-Fields HH N.R. & C.	16681 14864 13837 17599	9 6 3 6	2 3 1 6	- 1	1 - 3			-	-	1 -		111	-		-	1	1 - 3	111
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	9191 - 00	2 5 2	2 -	1 2 1	4 1 4	1	-	-		1 1 1		-	-	1111		8 2	1111
St. Geothe-Martyr HHHHHHH N.R.	18671 10706 6588 17516 19281 14773 17506 11541 18628 9217 7463	5 1 8 11 9 10 21 4 2	2 2 5 1 8 8 8 1 1 2	3 1111	1									1111111111	1	1	6	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11174 7193 5358 8396 13666 5652	6 - 2 3 3 2 -	10 1 1 -	11111	1 1 1 1 1 1	11111	11111	11111	2	111111		111111		11111	1	1	- 9	

NOTE.—The Italie letters placed against the names of the sub-districts denote Publis Institutions situated therein, namely: W-Work-house E-Hospital; L-Lunatic Asymm; w-A Workhouse Establishment receiving inmates from other Districts than that in which it stands see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. significs Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Bouthwark and Yauxhall; L. Lambeth; N. E. New River; E. L. East London; en I K. the Kent Company.

LEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sue-district aturday, the 15th June, 1889.

laturday, the 15th June, 1889.			_											_	_	_	_	,
							The	DEA	THS T	ogisto	red i	n the	Week	k incl	ude			
	Enume-			Deat	ha of				1	)eath	fron						9	88
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Intants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS.  Holywell Shoreditch - N.R. & E.L. St. Leonard Shoreditch HL* - N.R. Hoxton New Town w N.R. Hoxton Old Town N.R. Haggerston WH N.R. & E.L.	7376 14967 29937 28086 46275	3 12 14 28 31	8 10 13 25	2 - 5 5	2735	11111	11111	11111	-	1	111111	1.111	11111	1 - 3	111-	1 2 2 2	5 6 4	i
Hackney-road H E.L. Green, Bethnal Green WHL* - E.L. Church, Bethnal Green E.L. Town, Bethnal Green E.L.	29738 47932 29981 19310	36 14 17	28 8 8	3 2 7 2	12 1	111	111	-	1111			11.1	111	2	1 -	2 2 1	12	=
Spitalfields E.L. & N.R. Mile End New Town W Whitechapel Church Goodman's Fields E.L. Aldgate E.L. N.R. & E.L.	22585 15478 17490 9713 6102	14 15 9 4 6	6 6 15 2 2	2 - 2 - 2	2	1111	1 -	11111	1	1		1111	1111	1	2 -	5 1	3 12	
St. George's North St. John, St. George East W - E.L.	38747 8410	29	11 12	5	6	-	-	-		-		-	-	14	1	1	6	-
Shadwell HH - E.L. & N.R. Rateliff E.L. Limehouse E.L.	10895 16107 82041	4 7 19	5 5 8	2 2	1	1.1	-	3	, 1	1			1 1 1	-	1	2 3	2	-
Mile End Old Town West - E.L. Mile End Old Town East WwwH-E.L.	87960 67653	13	6 22	4	7	-	-	ī	-	-	-		1 1	1		î	5	-
Bow $L$ - $E.L$ .  Bromley $wwWH$ - $E.L$ .  Poplar $WWH$ - $E.L$ .	37074 64859 55077	27 28 13	6 29 18	1 8 5	12 12 2	* .	-	4 4 4						1	1	3	12	=
Sourh Districts   Sourh Districts   Sourh Saviour Southwark   WH   L. & S.	13668 14999 21881 15958 21318 26672 59555 21623	17 5 10 20 13 21 38 21	8 2 5 8 4 6 22 -	5 - 4 5 -	3 - 2 7 -		111		1	1111111	11111111	11111111	1111111	1		1 1 1 1 -	1 2 6	11111111
St. Olave WH S. & L. Leather Market S. & L. St. Mary Magdalen W - S. St. James Permoudery - S. Rotherhithe WH S. & K.	11956 16800 15669 54682 86024	14 15 13 26 21	26 8 1 11 11	6 8 - 3 8	5 - 2 2	11111	1	1	1	2 3	. 1 6 1 1	11711	1 -	(1111)	3	4 	15	1 1
Waterloo-road lst   H -   L, & S,   Waterloo-road 2nd   H -   L, & S,   Lambeth Church 1st   H -   L, & S,   Lambeth Church 2nd   W -   L, & S,   Ennington 1st   -   S, & L,   Kennington 2nd   -   S, & L,   Brixton   ww   -   L, & S,   Norwood   W,   -     L, & S,   L,	15195 16351 19876 39859 45232 35882 62837 19017	11 19 8 24 28 27 85 13	5 6 14 15 11 11 10 5	1 8 -2 4 8 1 1	1 2 5 2 3 2 1		1		1	11111111	111111111	1	1111111	1	8 - 1	3	10 8	211111
East Battersca	54675 52587 36380 28004 13235 25553	61 52 17 31 7 20	19 25 11 8 6 3	8 5 1 2 1	2 5 4 1 - 1		2 -	111111	1	1	1111111		11111	2	ī	1 2 1 1	7 3 -	1 111111
Dulwich Camberwell WwL*L* - S. & L. S. L., & K. L. & S.	5590 59104 71089 50810	8 47 55 47	25 25 16	1 4 6	13 6 3		1 1 1	- 1	i	2 1 -	1111	1		1111	1 4 -	5 1	9 -	111
St. Paul Deptford *** - K. St. Nicholas Deptford K. Greenwich West H K. Greenwich East WHH - K.	76752 7901 21972 24608	64 8 10 19	24 6 7 8	8 1 8 1	3 1 1 2		1 1 1 1	2 -		1 1 1 1	1 1 1 1	1		1 -	1111	1	2 - 5	1111
	5048 21559 19865 26076	12 15 15	1 1 8 9	1	1 3 2	1111	- 2 -	1111	1111	- 1	1 1 1 1				1	1 -	2 -	1111
Charlton H K. Woolwich Dockyard K. Woolwich Arsenal HH K. Plumstead, West H K. Plumstead, East W K.	10980 17617 19048 14009 19241	6 14 15 6 24	6 8 5 8 17	1 2 - 4	3 - 2 1 6		- 1 - 1 - 1	11111		11111	11411	1	1111	11111	11111	1	1-	11111
Metropolitan Asylum Hospitals: Dartford w	= =	=		2					-	-		-		-	-		-	

The following WORKHOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the ibove Table by w:-

Marylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum, in Tottennam Court-road sub-district.
Holborn infirmary in Upper Holloway sub-district.
In Upper Holloway sub-district.

" Haxeney sub-district.

" Hoxton New Town sub-district.

" Mittechapel " Hoxton New Town Sustern sub-district.

" Mittechapel " Mittec

Stepney Workhouse in Bromley sub-district.

Poplar & Stepney Siek Asymum
Westminster Uman Industrial School in West Batterses sub-district.

Strand and Industrial School in West Batterses sub-district.

Strand and Industrial School in West Batterses sub-district.

Strand and Industrial School Registration London.

St. Savinis Industrial in Camberwell sub-district.

Betwoontan Asymum District Hospitals in Fulsam. Hampstead, Hacknoy, Brixton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonlon, and West Ham sub-districts outside Registration London.

Table 6 .- LONDON .- OUTER RING. - Area; Population: Births and Deaths registered during

	-2011BOX:(		. 20221			ing S					1889.				**:			Ĉ:
Regis-		Area		1	1				The I	DEATH	s regist	tered i	n the	Week	includ	e		
tration		in Acres,	Enume-		1	Des	ths of				Death	s from	1			1		1.
District	REGISTRATION	inclu-	rated	HS.	DEATHS.	-	60 ds.		1	1.	1	igh.	1	1	1		Public	1110
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS.	EA.	under of Age.	aged k upw	ا ر		Ver.	8	109-5		+ .	1	ase		Opt
Num-		and	1881.	B	A	ts u	ns a	-po	les.	ot F	theri	ping	2	pod	nee.	aat C	he in	rtite
bers.		Fore-				Infants Year	Persons Years &	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough	Fever.	Diarrhose	Violence.	Inquest Cases.	Deaths	Uncartified On
LO	NDON-OUTER RING	370,924	050.057	689	304	82	82	-	6	1	7	7	2	8	12	18	34	-
	DON - OUTER RING	010,024	950,957	000	304	- 02	02		-	-	-	-	_	-	10	10		-
80:1	Carshalton wZ -	12228	21118	8	3	2	-	-	-	-	-	-	-	-	-	-	-	
2	Epsom (part of)* WwH	9971	10710	10	8	-	2	-	-	-	-	-	-	-	-	-	2	
37:1	Godstone (part of) * -	2754	1235	-	-	-	, TE	-	-	-	-	-	- 0	-	~	-		
38:1	Croydon WwHHL -	20851 11697	101241 17982	58 19	32	8 2	7	-	-	-	1	1	-		-	. 2	7	
39:1	Wimbledon HHH -	8220	15950	12	-	- 1	-	_	_	-	-	-	-	-		-	-	
2	Kingston WHH	8549	36354	12	8	8	2	-	-	-	-	-	1	-	1	1	2	
8	Esher (part of) * - Hampton H	6601 4578	9221 13539	2 11	3	2	1	-	_	-	-	-	-	_	1	1	-	
40:1	Richmond WH	2972	21302	6	8	1	5	-	1	_	-	-	-	-	-	-		
2	Mortlake	2941	12331	-		-	-	-		-	-	-	-	-	-	-	~	
41:1	Bromley (pt. of) * HH Chishrst(pt.of)* WHH	15669 14807	31142 15844	19	10	1	8	-	-	-	-	-	-	1	-		2	
42:1	Bexley H	18487	24134	12	4	-	4	-	_	-	_	-	-		- 1	-	_	
2	Dartford ( Ww, pts. of)*	-	-	-	2	-	2	-	-	-	- 1	-	-	-	-	- }	2	7
124: 1	Sunbury to Staines W	11055	11685	8	5 -	2	1 ~	-	-	-	-	-	-	-	-	1	-	
125:1	Hillingdon WHH -	6029	10802	. 9	2	-	1	-	-	-	-	-	-	-	-	-	1	
3	Uxbridge	6178	3225	4	1.	- 1	- 1	-	-	- }	-	-	-	-	-		-	
126:1	Hayes wHL Isleworth WHH -	7008	11525	8	4 7	1	2		-	-	-	1	-	-	-	-	8	1
2	Twickenham H-	2477	12479	8	3		8	-		-	-		-	-	1	1	1	
8	Brentford HL	4845	27849	11	8	1	4	-	-	-	-	-	-	-	1	1	-	-
. 5	Acton wH	1340 6083	15975 22876	13	6	3	8	-	2	-	-	-	-	1	-	-	-	- 2
127:1	Harrow H	18809	12796	7	2	-	1	-	-	-	-	- 1	-	-	-	-	-	-
3	Edgware H Willesden	6994 4383	3749 27453	40	7	2	5	-	-	-	-		-	-	-	- 1	-	9
4	Hendon W	8382	10484	9	8	1	-	-	-	-	-	-	- 1	_	_	1		
187:1	Bushey	9331	6621	4	4	1	-		-	-	-	-	-	-0	-	-	-	-
128:1	Watford (W, pt. of)* -	11100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	South Mimms Barnet	15599 5433	6391	7 8	2 4	1	-	-	-				-	-	1	1	-	4
8	Finchief HL	4688	17615	10	14	1	5	-	-	-	-	1	-	-	1	1	1 6	-
185:1	Hatfield (part of) * -	3306	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey $H$ Tottenham $H$	3039 4642	37078 46456	20	9	2	4	-	-	-	- 1	-	-	-	-	-	-	
8	Edmonton Ww # -	7483	23468	51	26 12	7 2	8	-	-		2	-	1	1	2 2	3	1 8	.1
4 8	Enfield WH Waltham Abbey	12658	19104	15	8	5	2	-	1	-	-	-	-	2	-	2 _	8	
6	Cheshunt	11017 8480	5868 7785	5	1 2	1	-	-	-	-	-	-	-	-	-	-	-	
186:1	Stratford	882	38606	38	9	8	2	-	_								-	
2 8	West Ham wwwwH\$- Leyton WwL	7351 4372	101058	96	86	12	5	-	1	1	2	2	-	-	-	-	-	1
4	Walthamstow II -	6520	32430 28869	41	10	4 7	3 4	-	1	-	-	-	-	1	1	1	2	-
187:1	Chigwell (part of) * H	11761	9889	9	-	-	-				1	-		-	1	1	-	-
189:1	Epping (W, pt. of)*	-	-	-	1	-	-	-	-	-	-	-	-	2	-	-	1	
189:1	Romford (part of) * W	6730 8493	3411 7645	6	4	- 1	-	-	-	-	-	-			-	-	-	-
3	Barking Town	4127	9203	10	8	8	-	-	-	-	1 -	1	-	1	-	-	-	-
				- 13								1					- 1	

The parts of sub-districts included within that portion of the Metropolitan Polics District which forms the Outer Ring are as follow:—30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1286); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 98:3, Esher sub-district, except the parish of Esher (pop. 1293); 41:1, Bromley sub-district, except the parishes of Cadham and sub-district; 187:1, Chigwell sub-district, except the parish of Chelsfield (pop. 187); 185:1, the parish of Nortanw in Hatdele also deaths in Workhouses belonging to the Outer Ring in 42.2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

‡ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 15th June, 1889.

			ANNUA	L RATE			The DE	ATHS	regia	tered	in t	he W	eek i	nelud	e	
GREATER	Area in Acres	Estimated	of Mor per 1000	TALITY living.	DEATHS from	Deat	hs of			1	Death	s from	n			Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-por.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.	Deaths in Pu Institution
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
EATER LONDON	448,334	5,642,015	14.3	1.7	1551	375	365		38	12	33	44	12	42	60	324
INNER LONDON - OUTER RING -	77,410 370,924	4,351,738 1,290,277	15°0 12°3	1.8	1247 304	293 82	283 82	-	32 6	11 1	26 7	37 7	10 2	34 8	48 12	290 34

off.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 Foreign Cities, having an estimated Aggregate Population of 16,612,869 Persons.

ę.	POPULATION					ANNUAL	DE	ATHS		PRINC	es.	ZYMOI	
CITIES.	(enumerated or estimated).	DATE OF RETU Week en	IRN.	BIRTHS. Exclusive o	DEATHS. f Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhœal Diseases.
ALCUTTA	433,219	April	20	_	187	22.5	6	2		_ 0	-	50	27†
SOMBAY	773,196	May	21	281	486	27.8	12	25	3	5	9	174	42†
MADRAS	398,777	April	12	305	344	44.7	3	69	9	?	2	80	38
PARIS	2,260,945	June	8	1223	1015	23.4	_	29	7	26*	8	17	76
BRUSSRLS	471,606		8	286	178	19.6	_	4	_	1	1	3	19
ith 8 Faubourgs.)	3,2,000	39											
AMSTERDAM .	403,083	93	8	290	229	29.8	-	6	-	3	3	77	-
ROTTERDAM -	197,723	33	. 8	159	96	25.1		12	~	1	1 3		1
THE HAGUE .	153,440	19	. 8	93	- 53	17.9	-	_		~		-	
COPENHAGEN -	307,000	99	1	217	148	25°2	-		1	4	2		13
STOCKHOLM -	228.218	33	1	128	70	15.9	-	~	1	2*	1	***	7
CHRISTIANIA -	138,300	19	8	67	43	16.2	-	-		9			4
it. Petersburg	842,883	30	1	-	513	31.8	1	3	10	5	8	21	64
BERLIN	1,470,582	May	25	860	587	20.2	-	3	3	17	11	2	88
HAMBURG (State)	675,276	June	1	436	253	22.9	-	-	~	4*	7	2	14
DRESDEN	264,196	39	1	143	102	20.1	5	-		1*	5	5	9
BRESLAU	315,000	13	. 8	251 *	257	42.8	-	5	-	4*	2	1	58
MUNICH	281,000	29	1	200	196	35.8	5	8	3	8*	9	1	37
VIENNA	GLLyada	33	1	592	435	27.9	-	15	2	6	2	3 2	64
PRAGUE	304,356	<b>3</b> 2	1		172	25.2	9		2	6	1	_ 2	37
BUDA-PESTH .	30-,000	33	1	340	282	32.4				1*	-	_	2
TRIESTE	158,084	39	1									- 10-4	
Rome	1 202,022	April	27	250	193	25.0	4	6	-	8 2	1 2	7‡	9
TURIN (10 days)	1	May	10	220	205	24.4	1 5	1	1	2	1	_	6
VENICE	153,375	June	1	85	82	24'4							
CATEO	374,838	May	23	328	380	52.9	14	11	-	1*	}	25	117
ALBXANDRIA .	231,396	99	23	149	224	38.9	3	1	-	4*	1	7	65
NEW YORK	1,549,500	,,	25		684	23.0	-	5	36	52	11	4	14
RECOKTAR	814,505	39	25	-	300	19'1	-	3	6	22	9	2	5
PHILADELPHIA	1,040,245	33	· 25	-	339	17.0	1.	5	5	2	3	15	11
BALTIMORS .	- 500,343	19	25	-	123	12.8	-	-	-	. 3		5	1
		1		11				_		_	_		

<sup>\*</sup> Including deaths from croup.
† Including 14 deaths from cholera in Calcutta, and 4 in Bombay.
‡ Including 4 deaths from malarial fever.

Table 9 .- METEOROLOGICAL OBSERVATIONS taken at the Hoxal Observatory, Greenwich, during the Week ending Saturday, 15rm June, 1889.

1									14	teteo	rolog	jic	at Oo	serva	nons.							
1		Ozone.		0.0	0.0	2.0	0.0	5.0	0.0	0.0	9.0	27	the sea; no	of the er, are ussion	ading imum ne air duced	ygro-	ement	below and the	The snd	Show	46 in.	n. oy
	Rain	in a Gauge whose	surface is 5 inches above the Ground.	fn. 0.00	1.37	0.03	00.0	00.0	00.0	0.33	Sum 1.73	26	of the s	The means of thermometer, from a discuss	mean rethe max	photog	tal mov	vo feet Deptford ons fror	ometer.	rument	sek to 29	2 2 2 0
	-		Departure from Average of 16 Years.	Miles.	+ 263	8	-182	-171	- 57	-164	Sum 440	25	an level c	oulb ther uced from for the h	dings of the property of the p	by Glais on of the	horizon ending 1	oth of twarket at I	ng Electr derate; s	Sunshine Instrument, show	of the we	ol casca
	8	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	517	174	11	81	193	-80 -84	Sum 1324	24	re the me	the wet thing 1873	Vith the confine of the office of	nometers.	d that of e 16 years that + in	lata dep Sattle Mu under i	registerii	tes Sunsh	beginning	the week.
	nometer	he .	Mean of 24 hourly obs.	1bs.	F.1	0.0	0.0	0.0	0.0	0.0	:	23	et abor	er, and	mean call yall and d	therr from a	1868, ar for the mind	pende reign farket,	r's self	ell-Stol	at the	o pue
	m Anen	Pressure on the Square Foot.	Least. h	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	22	159 fe	nomet nomet tion of	momet rected san da	at bull	ecords rue in	are sught	ive; w	Sample on day.	.65 in.	by the
	uced fro	Press	Great.	lbs.	9.8	₹.1	0.0	0.0	2.0	0.2	:	21	neter is	b theriupplica	he cor the me tempe	and we	years eletric r	es of erk of	rom T	on each	rom 29	86 in. 1
	Wind as deduced from Anemometers.	Osler's.	P.M.	NNE.	NNE.	SSE. SW.	WNW &	Calm W. &	SW. & SSW	SW. & ENE.	& SW.	20	of the baron	the dry bul; the dry bul ulues by the s	ng 1868 for the is combined the is, forming the y dew point	of the dry if the air is t	uring the 20 f the anemon and 25 it will	ater of the T of the jetti d by the Cl	is derived fr positive; N.	derived from ght sunshine enrological of	o midnight. er decreased f	reased to 29.
al.]		General Direction.	A.M.	N. & NNE.	NNE.	NNE. NE.	N. & Calm.	Calm & SE.	WSW.	SSW. & WSW.	NNE.	19	The height of the cistern of the barometer is 169 feet above the mean level of correction has been applied to the readings to reduce to sea level.	Overvivations are usually taken at a L.A.M.; not out; all, t.M.; take an L.M. The means of the govervedings of the barometer, the day builb thermometer, and the wet builb thermometer, are oververed into mean additive and use the application of corrections adduced thom a discussion of other brinds and the properties of the protections deduced the parameter.	during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily down point temperature and degree of humidity are deduced	from the ment daily values of the dry and wet built thermometers by Glaisher's Hygro- metrical Tables. The average temperature of the air is that derived from a discussion of the photographic	records made at Greenwich during the 20 years ending 1865, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.  In reading the columns 9 and 26 it will be borne in mind that + indicates "higher," and — "Longer," than the average.	The themometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the	Corporation to London. The properties of the condition of	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the upgreaded duration of bright sunshine on each day.  The results of all the meteorological observations are to be understond as convince to the	And day, or from midulights to middlights.  The results of the peep to 29.46 in a the beginning of the west to 29.46 in a New on the 64 in increased to 29.75 by 9b. P.M. on the 19th decreased to 29.79 by 9b. P.M. on the 19th decreased to 20.77 by 9b. P.M. on the 19th decreased to 20.77 by 9b. P.M. on the 19th decreased to 20.77 by 10.75 by 10.	13th; and inc
Under the Superintendence of the Astronomer Royal.	63	Of the Water of the Thames at Deptford.	Low- est.	• :	:	*	:	:	:	:		18	kht of has be	gs of t	e twen bulb t mum s). Th	from the mean metrical Tables. The average t	from a fing the	rmome 2e, at t	cord of employ	mbers grate d	or from	on the
ronom	ATURE	Of the of the at Dep	High-	0 :	:	:	:	:	:	:	:	17	he hei	readir verted	ing the dry	n the brical 'he ave	ords m he air n read	he the surfacir	he re abols	he nu	il day,	P.M.
he Ast	TEMPERATURE		Lowest on the Grass.	50.7	2.17	49.0	51.5	49.0	45.0	49.0	6.87	16	COL	con				the	_		civ	Sh.
ce of t	TE	Of Radiation.	High- est in Sun's Rays.	6.88	72.8	117.4	0.86	2.211	0.11	0.101	99.2	15		ening.	Windy	in morning and	overcast; gloomy and foggy in morning.		Distant	overcast		
tenden		Degree of Hu- midity (Satu-	ration equals 100).	68	26	26	95	47	85	88	68	14	52 2	Overcast throughout; a little fine rain in evening.	Overcast throughout, with continuous rain.	in morr	gy in r		ards.	erally		
uperin	жееп.	rature oint ire.	Least,	1.0 H	0.0	0.0	0.0	0.0	ã.0	6.0	2.0	13	MARE	fine ra	ontino	rain	and fog	÷	afterwards.	g; gen		
r the S	ence bet	the Air Temperature and Dew Point Temperature.	Great.	9.9	2.4	90	11.5	14.5	9.01	3.6	0.6	12	IL RE	a little	with co	a little	gloomy	. Misty.	gue ;	mornin n at nig		
Unde	Differ	the Air	Mean daily value.	0.8	8.0	8.0	4.4	00 10	5.5	60	2.2	11	GENERAL REMARKS	ghout	nghout,	overcast; a little	reast;	ly; fine	evening	in early morning; generally Heavy rain at night,		
		Of the Dew Point.	Mean daily value,	6 51.4	6.84	53.8	0.42	54.1	53.1	0.99	53.1	10	GE	st thro	st thro			Partially cloudy; fine.	about 1		D.	
	RE.		De- parture from Average of	0 -	6.8 -	0.4 -	F.0 -	+ 3 7	9.0 -	1.0 -	- 2.0	6		Overca	Overcast th	Generally at night.	Generally	Partis]	Cloudy till evening; thunder about 11h, A.M.	Variable afterwards.		
ı	TEMPERATU	Lir.	Mean daily value,	, 54.4	49.7	2.79	28.4	62.6	9.89	59.5	26.8	00	above prizon, hours.	16.4	16.2	16.2	16.2	16.5	16.5	16.5	Sum 115.4	80
ı	TEMPI	Of the Air.	Daily Bange.	0.9	4.03	9.31	12.3	9.61	1.91	13.0	12.3	7	red Sun ne, Ho									-
			Low-	53.0	48.8	49.0	0.12	53.5	50.5	53.3	21.12	9	Registered Sun above Sunshine, Horizon, in hours.	0.0	0.0	0.5	4.0	1.6	9.0	0.0	Sum 3.3	53
			High-	0.62	53.0	9.89	8.99	73.1	9.99	8.99	0.79	10					tion (		-			
	BARO-	-	rected and reduced to \$20 Fahren-heit).	in. 29.489	745.62	269.00	29.775	29.756	29.803	29.801	29.692	4	ELECTRICITY. (For explanation of symbols, see Note.)				The electrometer was not in action throughout the week.					878
		Phases	Moon.	:	:	:	:	Full.	Greatest Dec. S.	:		3	ELE (For el gymbol				The was n					
			Q	6	10	11	12	13	14	35				6	70	11	12	13	14	15		•
		1889.	Morte and Day,	JUNE.	Mon.	TUBS	WED.	THUES	Far	SAT.	MEANS	No. of Col.	DATE.	SUNDAY	Monday .	FURSDAY .	VEDICEDAY	TRUBADAY .	FRIDAY	SATURDAY.		No. of Col.

#### OFFICIAL COPY

# WEEKLY RETURN

#### LONDON DEATHS IN BIRTHS AND

AND IN

# TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 25. 1889. Vol. L.

WEEK ENDING SATURDAY, JUNE 22.

[Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, 24th June, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 16.7 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	-	Weeks	ending					Weeks	ending	
Towns.	June 1.	June 8.	June 15.	June 22.	Towns.		June 1.	8.	June 15.	June 22.
Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol -	12·7 13·7 13·6 17·6 14·8 25·7 18·0 20·6 18·5	13·4 22·8 17·3 16·9 18·0 14·8 21·7 27·0 19·7 22·1 18·2	13·5 20·7 15·9 16·4 11·1 16·4 17·6 14·3 20·6 19·1 19·6 18·7	16.6 15.5 22.3 15.8 9.9 14.8	London - Manchester Newcastle-on-Tyn Norwich - Nottingham Oldham - Plymouth - Portsmouth Preston - Salford* - Sheffield - Sunderland	: e*	13·8 25·1 25·3 17·1 16·0 18·7 29·4 18·1 38·6 17·4 18·2 18·7	15·7 30·2 22·7 13·8 17·8 20·2 26·0 15·1 36·1 21·6 19·5 21·4	12.7 17.6 20.0 14.4 33.0 15.1 17.9 21.0	14·9 27·1 23·0 16·6 11·2

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·3 in Wolverhampton, 1·9 in Manchester, 2·2 in Leeds and in Huddersfield, 3.9 in Halifax, 4.0 in Hull, and 6.0 in Preston; from scarlet fever, 1.3 in Blackburn, and 3.3 in Plymouth; and from whooping-cough, I.1 in Portsmouth, 1.3 in Bradford and in Wolverhampton, and 2.0 in Preston. The death-rate from "fever" did not reach 1.0 in any of the twenty-eight towns. The 34 deaths from diphtheria in the twenty-eight towns included 27 in London, and 2 in Newcastle-upon-Tyne. Small-pox caused one death in Manchester, but not one in any of the twenty-seven other great towns.

Allowing for In LONDON 2636 BIRTHS and 1243 DEATHS were registered. increase of population, the births were 64, and the deaths 181, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 15.7 and 15.0 in the preceding two weeks, further declined last week to 14.9. During the first twelve weeks of the current quarter the death-rate averaged 16.1 per 1000, and was 3.3 below the mean rate in the corresponding periods of the ten years 1879-88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated,

The 1243 deaths included 23 from measles, 17 from scarlet fever, 27 from diphtheria, 27 from whooping-cough, 7 from enteric fever, 40 from diarrhea and dysentery, and not one from small-pox, typhus, ill-defined forms of fever, or cholera; thus, 141 deaths were referred to these diseases, being 94 below the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 20; no small-pox patient was under treatment in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had been 39 and 32 in the two preceding weeks, further declined last week to 23, and were 49 below the corrected average; 3 belonged to Islington and 3 to Newington sanitary The fatal cases of scarlet fever rose, however, from 4, 12, and 11 in the three previous weeks to 17, but were 11 below the corrected average; 2 belonged to Kensington and 4 to Lambeth sanitary areas. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 559 scarlet fever patients, against 570 and 572 on the two preceding Saturdays; 44 cases were admitted to these hospitals during the week, against numbers declining from 57 to 33 in the four previous weeks. The deaths from diphtheria, which had been 34 and 26 in the preceding two weeks, were last week 27, and exceeded the corrected average by 12; 2 belonged to Kensington, 3 to Chelsea, 2 to Bethnal Green, 6 to Stepney, 2 to Mile End Old Town, 3 to Lambeth, and 2 to Greenwich sanitary areas. The 27 fatal cases of whooping-cough showed a decline of 10 from the number in the previous week, and were 24 below the corrected average; 4 belonged to Pancras, 3 to Clerkenwell, and 4 to Poplar sanitary areas. The deaths attributed to diarrhea and dysentery, which had increased in the four preceding weeks from 13 to 34, further rose last week to 40, and exceeded the corrected average by 4; 38 were of children aged under 5 years of age, including 30 of infants under the age of one year.

The deaths from enteric fever, which had numbered 9, 3, and 8 in the three preceding weeks, were last week 7, and 4 below the corrected average. The Metropolitan Asylum Hospitals contained 18 cases of enteric fever, and not one of typhus on Saturday last; 5 cases of enteric fever were admitted during the week,

against 5 and 3 in the two previous weeks.

The deaths referred to diseases of the respiratory organs, which had been 205 and 169 in the two previous weeks, were last week 171, and 47 below the corrected

average.

Different forms of violence caused 53 deaths; 41 were the result of negligence or accident, among which were 13 from fractures and contusions, 6 from drowning, and 12 of infants under one year of age from suffocation. The 13 deaths from fractures and contusions were thus caused: —1 by accident on railway; 1 by fall from scaffold; 1 by fall from window; 3 by fall from bed; 1 by fall down stairs during intoxication; 1 by fall over form; 1 by injuries from fall of printing-machine; 1 by injuries from fall of seat; 2 by fall, the nature of which was not stated; and 1 by fracture, the cause of which was not stated. An injuriest was held in each of these 13 cases. Nine cases of suicide were registered, being one below the corrected average.

GREATER LONDON.

In Greater London 3563 births and 1530 deaths were registered, corresponding to annual rates of 33.0 and 14.2 per 1000 of the estimated population. In the Outer Ring 7 deaths from whooping-cough and 6 from diarrhea were registered. The fatal cases of whooping-cough included 2 in Croydon, 2 in Bromley, and 2 in West Ham sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.94 ins.; the highest reading was 30.06 ins. on Tuesday morning, and the lowest 29.86 ins. at the beginning of the week, on Thursday afternoon, and on Saturday afternoon. The mean temperature of the air was 59.6, and 0.6 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Monday, Tuesday, and Wednesday, but showed an excess on each of the other days of the week. The general direction of the wind was N.E. and E.N.E., and the horizontal movement of the air averaged 8.5 mo rain was measured during the week. The duration of registered bright sunshine in the week was 65.3 hours, against 68.4 hours at Glynde Place, Lewes.

· See note on first page of this Return.

																	_	_				_			_	_			_	_	_	
	CITIES	BOROUGES,		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHBAD.	BOLTON,	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURN.	PRESTON.	HALIPAX.	BEADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIPF.	EDINBURGH.	GLASGOW.	DUBLIN.
	Auto	Centi-	uı	24.	0.13	00.0	00.0		1.12	0.00	1	ā	00.0	1	1 0	3 1	•			3	8		00.0	ě	3	0.03	0.03	00.0	1	00.0	00.0	00.0
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M AIR.	Mean.	.aperg	Centi	22.	14.44	15.33	12.78	1 1	16.56	13.61	,	1	13.83	1	1 0.7	3 1	,	1	1	1	1	1 1	14.56	1	1	15.94	12.33	14.11	1	14.22	15.17	13.67
0 TH	M	-tiedns	Fabre	21.	28.0	9.69	₹.09	1 1	8.19	58.2	1	1	6.99	3	1000	9 1	,	1	1	2	1	1 1	2.83	1	1	55.3	24.5	27.4	1	9.49	59.3	56.6
TRMPERATURE OF THE AIR	7	Lower	Fahrenheit.	20.	45.0	45.7	2.09	1 1	53.3	45.8		1	76.5	ı	10.4	F 1	,	8	9	1	ı	1 1	47.0	1	1			0.09	1	0.55	44.5	6.2%
FRMP R	.38	Highe	Fahre	18.	0.62	0.64	2.94	1 1	2.44	2.11		1	211.8	ı	10.1	1 ,	. 1	1	1		1	1 1	71.1	1	ı	15.0	0.14	0.69	1	75.2	78.7	76.5
	To the Week's Deaths	rom sages in . 6-12.	Figure Diag	18.	2.5	_	0.0	9.0	_	2.2	60	1.4	_	0.0	G. T		4.3	2.4	1.2	1.3	9.0	0 10	2.4	4.5	2.5	-			9.0	2.5	_	1.0
Annual Rate per 1006.	Veek'al	IIA m	CS	17.	2.91	14.8	6.6	9.91	20.2	16.2	9.91	15.6	2.11	9.01	75.5	22.3	1.2	20.3	13.8	15.2	0.93	1.93	15.8	6.13	11.4	25.3	18.3	23.0	18.1	18.0	22.4	18.6
	.dass	offitesa offices	Usu	16.	7	17	1 1	1	1 -	- i	63	67	Н		100		-	00	1	-	-	1 01	H	4	8	4	1	_	-		21	_
	78.	riadtasC sildu¶ noitutite	ul	16.	555	824	24 10	61	eo -	4	80	7	က	1 0	7 7	20	355	12	-	4	01 .	4 13	6	14	1	10	63	00	7	19	31	33
		and tasu		14.	204	105	1 6	1 -1	03 0	» ~	12	4	63	00 :	21 0	9	1	-31	г	1	00 1	- 01	61	1	03	4	10	ci	63	۵.	. 0.	00
nde	1	-30E0	Viol	18.	111	53	1 61	1	1 4	- 1	9	8	23	-	101	67	10	00	1	1	~ .	4 67	-	4	1	à	10	ı	7	10	00	67
The DEATES registered in the Week include		-emdri	Dia	12.	105	40	1 0	1 1	C3 4	m s	1	03	တ	1	1 0	1	1	9	7	1	က	- 1	4	10	2	4	1	1	1	4	4	03
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ed in t	from	-gaiqoo	CO MAP	10.	94	27	1 00	1 0	<u>,, ,</u>	4 67	10	1	61	1	- 0	0 1	4	-	1	1	4	1 1	9	63	93	7	1	67	1	×	22	1
egister	Deaths from	.sirədid	Dip	6	\$	27	1 1	1	-	1 1	1	1	4	1		- 1	-	4 1	1	1	1	1 -		1	1	1	1	67	å.	,	63	1
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F		.xoq-Il.	Sma	9	H	ı	1 1	1	1	1 1		1	8	1	1	1 1	-	- 1	1	1	1	1 1			1	ı		1		1	1	1
	Deaths of	ons aged Years pwards	Pers 09 u bna	5.	269	043	2- 0	6	00	16	46	e	2	6	4 1	6	000	22	20	00	-1	10 12		26	18	11	00	14	10	30	24.	31
		te under ear of Age.	XI	4.	757	281	03 ;	3 8	9	17	70	19	14	4	20 9	20. 4	12	24	11	6	15	9 0	0 0	46	32	53	11	12	00	17	27	26
during			DEATHS.	93	3055	1243	23	80	31	24	145	45	12	20	24	49	197	16	88	36	52	28	7	150	111	101	47	11	39	92	227	126
Registered during	the Week ending		BIRTES. D	oi	6609	2636	. 23	20 00	26	130	217	109	135	64	77	83	874	177	20	98	83	20 E	136	250	223	137	104	101	250	143	288	171
		to the middle of the Year 1889.	<b>M</b>	1.	9,555,406	4,351,738	121,807	141,253	78,225	229,361	454 99K	150.520	237,812	98,529	102,541	114.670	008 848	234.283	142,405	121,275	104,194	92,825	285.056	857,449	327,227	208,017	184,193	160,983	112,712	266,900	528,144	353,082
	CTTTES	ig.		Cols.	28 TOWNS.	LONDON .	BRIGHTON	PORTSMOUTH .	PLYMOUTH .	BRISTOL	WOLVERAMENT	LALCESTER *	NOTTINGHAM.	DERBY	BIRKENHEAD .	LIVERPOOL	To the second of	SALFORD* .	OLDHAM	BLACKBURN	PRESTON .	HUDDERSFIELD -	RRADRORD	LEEDS	SHEFFIELD .	HOTE	SUNDERLAND .	NEWCASTLE*	CARDIFF	EDIMBURGH -	GLASGOW	DUBLIN

Table 2. LONDON.—Births and Deaths Registered in the Twenty-fifth Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males  Females .	2483	2492	2504	2398	2513	2615	2419	2617	2182	2534	2699·7	2636
	1281	1285	1264	1267	1317	1307	1255	1321	1078	1277	1379·7	1353
	1202	1207	1240	1131	1196	1308	1164	1296	1104	1257	1320·0	1283
TOTAL Deaths  Males Females .	1316	1273	1399	1387	1333	1371	1279	1222	1287	1190	1423·8	1243
	685	687	742	750	681	716	681	657	657	609	748·6	659
	631	586	657	637	652	655	598	565	630	581	675·2	584

The numbers in this column are the average weekly numbers in the twenty-fifth weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LUNDON.	DIRIE	is, DE	AIHO	and	DIETE	COROL	OGY 1	n the	Last	THIR	TEEN	WEE	KS.
	Mar. 30.	Apr.	Apr. 13.	Apr. 20.	Apr. 27.	May 4.	May	May 18.	May 25.	June	June 8.	June 15.	June 22.
TOTAL Births	2808	2676	2509	2488	2522	2712	2565	2648	2402	2405	2523	2396	2636
TOTAL Deaths	1476	1572	1493	1426	1462	1386	1295	1231	1267	1151	1306	1247	1248
$ \begin{array}{c} \text{Ages at} \\ \text{Death} \\ \end{array} \begin{cases} \begin{array}{c} 0 - 20 \text{ years} \\ 20 - 40 \end{array} , \\ \begin{array}{c} -1 \\ 40 - 60 \end{array} , \\ \begin{array}{c} -1 \\ 60 - 80 \end{array} , \\ \begin{array}{c} -1 \\ -1 \end{array} \end{cases} $	642 200 274 287 73	729 175 287 305 76	671 183 266 310 63	670 174 214 299 69	708 171 256 264 63	626 184 266 258 52	577 175 251 245 47	571 169 205 232 54	608 152 221 224 62	506 148 209 237 51	601 186 245 234 40	564 173 227 236 47	575 180 218 225 45
Yunder 1 year - 1-5 - 5-20	316 242 84	368 261 100	322 251 98	299 279 92	361 273 74	309 246 71	287 218 72	267 225 79	301 222 85	242 181 83	306 205 90	293 184 87	281 203 91
Deaths from Small-pox  ,, Measles , Scarlet fever - , Diphtheria - , Whooping-cough ,, Typhus - ,, Enteric fever -	56 11 18 51	74 15 26 49	72 13 36 43 1	70 10 22 51	- 65 9 29 56 - 3	68 15 21 55	60 10 23 37	53 7 24 36	47 16 21 48	31 4 16 49	39 12 34 26	32 11 26 37	23 17 27 27
", SimpleContafever" ", Diarrhea and Dysentery ", Cholera		17	11 11 -	10	18	12	5 4 10	7 1 14	5 1 13	9 - 14	3 4 19	3 34	7 - 40
" " all the above- mentioned Diseases	153	190	187	169	181	178	149	142	152	123	138	150	141
, , Dis. of Respira- tory System Phthisis - , Dis. of Circula- tory System	332 153	364 170 146	294 152 135	300 128 98	305 164 119	242 143 154	213 125 134	217 137 97	177 148 98	162 144 101	205 174 97	169 162 106	171 155 123
Violent Deaths Inquest Cases Deaths in Public Institutions	52 125 354	69 130 340	68 130 825	57 111 315	69 116 331	55 107 315	66 125 310	51 85 311	48 89 342	55 104 290	58 91 323	48 109 290	53 105 324
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	54.6 38.6	43.5 51.8 37.4	43·5 50·4 38·6	46.5 55.3 39.8	47.5 57.8 39.1	50.8 61.9 41.5	57·7· 67·9 49·1	54.0 64.5 46.7	61·9 75·1 50·8	55·7 64·9 48·0	64·3 77·2 53·4	56.8 64.0 51.7	59·6 72·4 49·7
Humidity of the Air Rain-fall in inches	81 0·11	78	90	84	80	79	77	85	77	82	73	89	76
Registered Sunshine (in hours)	14.3	21.3	8.6	0.10	31.3		37.5	0.19	0·51 49·1	-	0·31 50·1	1.73	0·00 65·3
													000

# METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lipplneott, Esq., Bristol; F. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., Sanderland; and Wm. Lyall, Esq., Newcastle-on-Type.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the

				TW	ENT	ry-I	FIFT	H	Vec	ek of the Year 1889.			·						
	for the years		In Satu	the l	Week 22nd	k en Ju	ding ne 188	89.			r the	5	In	the	Wee 22nd	k en Jun	ding e 188	э.	
	10 yes			aths	of Pe	erson					ce 10 year		Det	aths o	of Pe		s of		
CAUSES OF DEATH.	Corrected Averages for 25th Weeks of the 10 1879-88.*	ALL AGES.		Jader 20.	.	20 and under 40.	40 and under 60.		so Years and upwards.	CAUSES OF DEATH.	Corrected Averages 1 25th Weeks of the 10 1879-88.*	ALL AGES.		nder 20.	5-20.	26 and under 40.	40 and under 60.	and und	unwards.
ALL CAUSES		1243	1 1	1 1	91	180	218	1 1	45	Diseases of Organs of Special Sense 7}	2.1	4	1	-	1	2	-	-	-
Small- Vaccinated; - Unvaccinated No Statement	}19·5{	-	-		-	-	-	-	1 1 1	Diseases of Circulatory System	98.7	123	2	1	14	28	34	38	11
Measles Searlet Fever Typhus	71'8 27'7 0'8	23 17 -	7	15 12 -	1 4 -	1		-		Croup Bronchitis Pleuvisy	10°3 108°5 70°0 4°8	6 83 58 6	1 31 11	5 17 15 2	2	3 11 -	12 10 2	16 9	2 1
Relapsing Fever:† Influenza	0.0 0.1 0.0	- - 27	- 12	15	-	-	-	-	1 1 1	Other Diseases of Respi- ratory System -	23.9	18	5 	6	1	4	1	2	-
Whooping-cough Diphtheria Simple Continued and Ill-defined Fever -	15.0	27	3	19	5	-	-	-	-	Dentition † Quinsy, Sore Throat † - Enteritis Peritonitis Diseases of Liver	11.4 1.8 9.5 6.8 27.9	11 10 6 28	3 - 9	1 -	2 2 1	1 - 2	2 4 15	1 8	1111
Enterio Fever Cholera	10'8 1'5 36'4 0'2	40	80	8		1	-		1	Other Diseases of Digestive System - )  Diseases of Lymphatic)	27.2	28	4	5	1	1	4	13	1
Remittent Fever	0.0	-	-	-	-	-	-	-	-	System & of Ductless Glands †	7.9	6	-	-	1	3	18	13	-
Cowpox and Effects of Vaccination † Venereal Affections - Erysipelas	10.0	8 3	1 5 1	-	-	-	1	2		Diseases of Urinary System  Diseases of Generative	38.3	37	-	1	2	2	18	13	2
Pysmia and Septicsmia Puerperal Fever Other Zymotic Diseases	9.8	3 6 3	-	1	-	6 1	3 -		-	Accidents of Childbirth	2.0	3	=	-	-	8	-	-	-
Thrush Worms and other Para-	3.1	4		3 1				1		- Diseases of Integumen-		3	1	-	2	1	1	-	-
Starvation, Want of Breast-milk †	5	2	-							VIOLENT DEATHS.			-						
Alcoholism Rheumatic Fever, Rheumatism of Heart	)	5	5 -		- 3		1 1	- -	-	(ACCIDENT.) Fracture and Contusion Gunshot Wound Cut, Stab	- 0.9	13	1 -		ī	2 -			16
Rheumatism † - Gout Rickets †	1.8 2.9 3.7	3 3 4	4 -		4 -			- 2	-	Burn and Scald - Poison Drowning Suffocation	- 2'9 - 1'6 - 7'9 - 9'6 - 3'2	1 1 6 16 3	19		2	1	1 3		
Cancer - Tabes Mesenterica Tubercular Meningitis Phthisis	27.8 - 32.9 - 159.3	84	3   18 4   4	5 17	6 2 7 11 3 21	2 2		-	-	(Homicide.)  - Murder & Manslaughte		3		-	- 1				-
Scrofula, Tuberculosis Other Constitutional Diseases †	- 14'6	20	0		8 1	1	4 1	1 1	1	- (SUICIDE.) Gunshot Wound	- 1:1					-	-		
Premature Birth - Ateleotacis † -	- 89·1 - 2·1		4	36	-	-	-		-	Cut, Stab	- 2·2 - 2·4 - 1·6 - 1·0	1 3 - 2 3		- :		1		2 -	1 -
Congenital Malformations - Old Age	- 43.0	0 43	3	6	-		-	- 2	25 1	18 (EXECUTION.)			-			100	- 1		
Apoplexy Epilepsy Convulsions	- 40°1 - 9°3 - 43°7	3 8		26 1	10	1	2	3 -	1 -	OTHER CAUSES †	- 0.0	-	- -	-	2	-	1		
Other Diseases of Brai and Nervous System	in } 86.6	6	62	8 1	14	6	9	9 1	12	4	9:048 per		1		1		1	1	

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9°046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated," which are so certified by registered medical men. When the medical attendant does not ecrify that the decessed has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

‡ The evilence at inquests is often insufficient to enable the Coroner to certify whether a violant death be the result of ascident, mander, manulaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON.—Population; BIRTHS; DEATHS from all Causes, and from Small-pox, Measles, Scarier during the Week ending

		' .					_			_		_	um	mg	rue.	11 66	с еп	ding
-							The	DEA	THE	regint	ered	in the	Was	kin	lude			
	Enume-			Deal	hs of					Dest	ha fr	om				1		1
REGISTRATION	rated Fopu-	138	m.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 60 wds.			2	l	-eough	1	GV6r.	er.	1			Publi	Causes
SUB-DISTRICTS.	lation,	BIRTHS	DEATER	under of Age.	aged & upw	OX.		Fever.	ria.	ng-e		d) (b	Con-	ga.		Cane	in I	ied C
	1881.	Total I	Total 1	Infants Year	Persons Years	Small-pox	Measles	Searlet	Diphtheria	Whooping	Typhus.	Enterie (Typhoid)	Simple e	Diarrhua	Violenes	nenhuj	Deaths in Public Institutions.	Incertified of Death.
A Contraction of Managery pages. Analysis contracts dispendicularly stated by the page of the contract of the		F	H	Inf	Per	Sn	×	200	ia	*	H	B.G	Sir	ā	\\ \rightarrow \ri	In	De I	5
LONDON	3,815,704	2636	1243	281	270	-	23	17	27	27	-	7	-	40	53	105	324	17
West Districts	669,683 905,947	377 577	120 279	38	50 72	-	1 6	4 2	4	8	-	2	:	3 5	.8 10	18 24	78 70	3 2
CENTRAL DISTRICTS	282,238	146	88	25	16	-	1	1	1	4	-	-	- 5	5 13	6	11	31	1
EAST DISTRICTS	692,738 1,265,148	512 ; 1024	392	63 95	47 85	-	9	9	12 6	6	-	4	-	15	19	23	69 79	9
METROPOLITAN ASYLUM HOS-		<b>,-</b> .		-	-	-	-	-		-	-	-		-	-		-	-
West Districts.		1			1 150	8 2.										,		
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 87830	9	13	3	2	-	=	-	2	-	-	-	-	-	1	1	5	-
Rensington Town Ww - W.M. & C.  St. Peter Hammerswith - W.M.	120141 48010	17	8 8	5	13	-	-	-	-		-	-	-	-	-	1	14 3	1 -
St. Peter Hammersmith - W.M. & G.J. Fulham Www - W.M. & C.J.	7599 64340 42900	2 43 66	91 23	3 7	9 2	-	ī	2	-	2	-	-		1	1 -	1	- 6	1 1 1
Chelsea South HHH C. Chelsea North-west WHHHHHH C. Chelsea North-east C.	0396 21925 82807	16 14 25	12 18 10	4	5 4		-	-	1	-	-	- 1		1 -	ī	3	12	1
May Fair WW G.J. Belgrave WHHH C. St. John Westmuster HHH - C.	80353° 59220 35496	4 22 23	.9 23 5	3 3	5 3 2			13	-	-	-	- 1	-	-	1 2	3 2	7 10	ī
St. Margaret Westminster H - C. St. James Westminster WHH N.R. & G.J.	24579 29941	10	13 11	1 2 1	1	-	-		-		-	- 1	-	1	2	2 3	9 2	-
St. Anne Soho HHHBHHH - NR. NORTH DISTRICTS.	16608	7	5.	1	1		-	-	-	1	-		-				1	-
All Souls Marylebone HHHH - W.M.	26759 14891 24809	11 3	14	1 -	5 2	-	-	-	-	-	-		:	-	-	= ;	11	-
Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone IIII - W.M.	21118 83700	5 25 17	9 9 6	2	1 2	-	-	1 1	-	- !	-	- 1		-	-	2	3 2	-
St. John Marylebone H W.M.  Hampstead Www.HHHH N.R. & W.M.	3363 <b>8</b> 45452	21 23	19	4	6	-	1	1	1	1		- '	- 1	-	-	1 2	3	1
Regent's Park Paneras H W.M. Tottenham-court wHHIIH N.R.&W.M.	89115 27729	19	9 21	1 :	ī	-	1	-	-	1	-	ī ;	-	-	2	- 2	10	-
Gray's Inn Lane HHH - N.R. Somers Town H N.R. Camden Town WH N.R.	30247 84369 17311	16 15 14	7 5 10	2	1 6	-	1	-		-	-	=	-	-	1	ī	2	
Upper Holloway WWwH N.R.	87487 67946	56 59	24 26	6	4 7	-	-	1	1	2	- 1	-	- 1	2	1	2	3 12	
Islington South-west HH - N.R. Islington South-east - N.R. Highbury H N.R.	100976 61895 82048	66 41 85	27 11 11	8	6 4 1	-	3	-	=	7 7 1		- 1	-	2	1 1	6 1 1	1	:
Stoke Newington H N.R.	22781 9277	18	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney H - N.R. Hackney WwwWH - E.L.&N.R. South Hackney E.L.	37610 76911 39883	98 62 27	18 37 8	6 8	11	-	-		2	-	-	1		1	2	20 20	14	1
CENTRAL DISTRICTS.  St. George Bloomsbury N.R.	16681	7	4	2 !	-	-	-	-	_	-		-	-	1				
St. George Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North N.R. St. Martin-in-the-Fields HH N.R. & C.	14864	18	6	1 :	4	-	- 1	-	-!	-	-	- 1	-	ī	-	- 1	4	1
St. Mary-le-Strand H N.R. & C. St. Mary-le-Strand H N.R. St. Clement Dance H N.R. Strand Union Workhouse, Edmonton w.	17508 7515 8559	6 1	5	1	î	-	-		-	-	-		-	-		-	4 - 2	-
St. Geothe-Martyr HHHHHHHI N.R.	18671 10706	8 3	9 4	2	2 1	-	1	-	-	1		-	-	-	-	2	1 2	
Saftron Hill H N.R. St. James Clerkenwell N.R.	6583 17516 19281	5 9 13	2 4 2	2 4	-	-	-	-	-	-	-	-	-	1	-	ī	2	-
Pentonville N.R.	14773 17506	11	4 4	3	1	-	-	ī	-	ī	-	-	-	1	1	1	-	-
Old-street H N.R. City-road HHL N.R. Whiteoross-street N.R.	11541 18628 9217	18 4	8 4	1 4 1	ī	-	-	-	-	2 -	-	=		-	=	=	1	-
Finabury - N.K. Holborn Union Workhouse, Mitcham, w.	7463	2	1 -	-	1 -	-	-	-	-	-	-	7 1 1		-	1 -	2		-
St. Botolph H N.B.&E.L. Cripplegate N.R. St. Sepulchre H N.R.	11174 7193 5358	6 3 1	2	1	1	-	-	-	-	-	-	-		-	-	-	-	
St. Bride W N.R. Allhallows Barking N.R.	8396 13666	3	16	-	3 -	-	-	-	1	-	-	=	-	-	3 -	3 1	4	-
Broad Street H N.R.	5652	1	-	- 1	-	-	-	-	-	-	-	-11	-	-	-	-	-	-

Note.—The Italic letters placed against the names of the and-districts denote Public Institutions situated therein, namely: W-Work-louic R-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving immates from other Districts that that in which it stands from other Districts that that in which it stands Grand Junction Company; W.M. West Middlesex; C. Chelses; S. Southwark and Vanshall; L. Lambeth; N. E. New River; E.L. East London;

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

e			-1				The	DEA?	THS T	giste	red in	the .	Week	inel	ude			
	Enume-			Death	a of				D	eaths	from	1						
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATES.	Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterie (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhes.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS.  Holywell Shoreditch - N.R. & E.L.  St. Leonard Shoreditch + HL* - N.R.  Hoxton New Town N.R.  Hoxton Old Town N.R.  Haggerston WH - N.R. & E.L.	7376 14967 29937 28036 46275	4 10 28 19 27	3 6 12 8 18	1 3 - 3	1 3 1 3	1111	11111	1	1 2	11111	11111	1111	11111	1 1	1	1 - 3	4 2 9	- 2
Hackney-road H E.L. Green, Bethnal Green WHL* - E.L. Church, Bethnal Green E.L. Town, Bethnal Green E.L.	29738 47932 29981 19810	27 38 16 12	13 12 8 2	6 1 3 1	2 1 -	1111	1		1111	1 - 1		1111	111	ī	111	9	6 -	
Spitalfields E.L.  Mile End New Town W Whitechapel Church H Goodman's Fields E.L.  Aldgate E.L.  N.R. & E.L.	22585 15473 17490 9713 6102	16 19 13 3	8 15 16 1	3 5 92	1 1 1 -	11111	1	11111	1			11111	1111	2	013111	1 1 10 00 0	8 10	
St. George's, North E.L. St. John, St. George East W - E.L.	38747 8410	87 5	9	6	8	8	1 -	-	-	-	-	-	-	3	-	1	2	-
Shadwell HH E.L. & N.R.	10895 16107 82041	6 8 19	14 9 7	6 3 1	1		1 1 1	-	5	1 1 1	-	-	-	1 -	1 -	-	8 -	-
Mile End Old Town West - E.L. Mile End Old Town East WowH - E.L.	879 <b>6</b> 0 67653	26 41	8 28	1 5	- 6	-			ī	2	-	ĭ	-	-	-	3	2	-
Bow L E.L. Bromley www H E.L. Poplar, WWH E.L.	87074	89 49 47	18 28 21	6 2 5	8 8 8		ĩ	-	- ī	4		-	-	-	1 1 1	2 1 2	1 15 2	
Sourh Diarriots.   St. Saviour Southwark   WH   L. & S. St. Saviour Southwark   St. Saviour Southwark   St. Saviour Southwark   St. Saviour Southwark   St. A. L. Sorough-road   WH   St. A. L. St. St. Saviour   St. Mary Newington   St. Saviour   St. Mary Newington   St. Saviour   St. Mary Newington   St. Saviour   St. Sav	14999 21381 15958 21318 26672 59555	6 6 19 10 16 22 57 18	5 - 9 7 3 9 13 8	2 - 3 5 4	3 1 1 1 1 1			1		1	11111111	1111111		111	1 1 1 1 1 1	1 1 1 3	3 - 2 - 10	1
8t. Olave WH 8. & Leather Market 8. & Leather Magdalen W - 8. & L. James Bermondsey - 8. Rotherhithe WH 8. & K.	15669	11 13 9 40 25	15 2 5 11 10	1 1 2	3 - 1 8 5	11111	11111	1	11111			11111	1111		3 - 1 - 1	1 1	- 2	1
Waterloo-road 1st   H -	85882	13 20 19 32 44 22 33 14	1 8 22 16 17 7 13 4	1 5 2 5 1 1	3 8 2 - 2 1			11111111	2 - 1 1	1	1111111	1	1111111	2 - 1	1 - 2 -	2 1 - 2 - 3	15 9 -	1111111
East Battersea	54675 52587 86350 28004 18285 25558	48 45 18 24 7 24	23 17 6 4 5 10	10 8 1 2 1 2	32 123	111111	1	1 1 1 2 1	111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	111111	1	11111	3	1	1	3	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5590 59104 71089 50810	2 48 61 42	80 17 13	3 6 4	9 5 -	1	1 1			1 -	1111	1 -	-	2	8 1 -	2	14 1 - 6	3
St. Paul Deptford ww K. St. Nicholas Deptford K. Greenwich West H K. Greenwich East WHH K.	76752 7901 21972 24608	78 2 13 34	28 1 4 12	6 -1 4	5 - 5			6 - 1	2 -			-		3 -	1 -	2	- 5	31-1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	10 11 17	6 8 5	2 2 1	3 3		2 -					-		1	1111	1.1.1.1	1 2 1	
Charlton H K. Woolwich Dockyard K. Woolwich Arsenal HH K. Plumstead, West H K. Plumstead, East W K.	10980 17617 19048 14009 19241	7 17 14 18 25	- 4 5 6 8		1 8	11111		1111	11111	11011	- 1 - 1 - 1	11111	11111		1 -	1	1 2	
Metropolitan Asylum Hospitals: Dartford w	= =	-	-	-		-		-			-	1-	-	-	=	-	-	-

The following Workhouse Establishments receive immates from other Districts than the one in which they stand, and are indicated in the above Table by workhouse Table by workhouse in Bromley sub-district.

Central London Sick Asylum. in Tottenham Court-road sub-district.

Holborn infirmary in Upper Holloway sub-district.

London City Workhouse Heaton New Town sub-district.

Holborn "Mile End Old Town Eastern sub-dist. Whitechapal "Mile End Old Town Eastern sub-dist. London City " and Bromley sub-district.

London City " Infirmary in Camberwell sub-district. Hampstead, Hackmetton New Mile End Old Town Eastern sub-dist. London City " Individual St. Paul, Deptford sub-district, and in Dartford, and Bromley sub-district, and in Dartford, and West Ham sub-districts outside Registration London.

\* Private Lunatic Asylums in which paupers are received.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during t

Regis-	1	Area			1	1 :			The I	EATH	regist	tered in	n the	Week	inelud	6		
tration		in Aeres,	Enume-			Dea	ths of	1			Death	s from	1			T	1	I
District	REGISTRATION	inelu-	rated	2	HS.	-	18:		1	1	1	I á	1	1	1			
Sub-	SUB-DISTRICTS.	Tidal	Popu-	BIRTHS.	DEATHS	Bor.	s aged 60		1	i.		ong					Pub.	100
listrict	,	Water	lation,	BIL	DE	under of Age.	ag un	OK.		FOY	ria.	180		1 4	1	Cases	in I	Sad
Num-	1000	Fore-	1881.			are	one	d'	ale a	a to	the	opir	1 4	8	9000	1 1 1 1	he i	9:00
bers.		shore.			I F	Infants	Persons Years &	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-sough	Fever.	Diarrhosa.	Violence.	Inquest	Deaths in Public Institutions.	Transligad Class
LON	DON-OUTER RING	370,924	950,957	927	287	82	85	-	3	3	2	7	2	8	9	13	30	
80:1	Carshalton wL -	12228	21118	12	10	1	1							1			18	1.
2	Epsom (part of)* WwH	9971	10710	8	2	2	-	-	-	-	-			-	-	-	8 ~	-
87:1	Godstone (part of) * -	2784	1235	1	-	-	1-1	- 1	-	-	-			-	-	-	-	1
38:1	Croydon WwHHL -	20851	101241	80	25	5	11	- 1	-	-	1	2	-	1	1	1	4	1
89:1	Mitcham w † Wimbledon HHH -	11697 3220	17982 15950	17	7	1	4 2	-	1	-	-	-				-	-	
2	Kingston WHH	8549	36354	27	9	1	6						-		1	1		1
8	Esher (part of) * - Hampton H	6601	9221	4	1	-	1	-	-	-	-	-	-	-	- 3	-	-	
40:1	Richmond WH	4573 2272	18589	6	4	-	1	-	1	-	1	- 1	-	-	-	-		
2	Mortlake	2941	21302 12331	14 13	5	3	2 2		-	-	-	~	-	-	-			
41:1	Bromley (pt. of) * HH	15669	81142	29	7	8	1	-	-	-	-	2	-	-	-	- 1	-	-
42:1	Chishrst(pt.of)* WHH Bexley H -	14307	15844	10	4	-	8	-	- !	-	-	-	-	-	-	-	-	
3	Dartford (Ww, pts. of)*	-18487	24134	24	3	-	1	-	-	-	-		-1		-	-	1	- A
24:1	Sunbury w	11055	11685	8	L-	-	-	-	-	-	-	-	-	-	-	-		
25:1	Staines W Hillingdon WHH -	18977	12089	10	2	2	-	-	-	-	-	-	-	-	- 1	- 1	-	2
2	Uxbridge	6029	10803 3325	6	3	-	1		-	-			-	-	-	-	-	1
. 8	Hayes wHL	14587	11523	2	. 5	2	1	-	-	-	-	1	-			1	2	4
26:1	Isleworth WHH -	7008	22727	14	4	1	-	-	-	-	-	-	-	-	1	1	-	1
8	Twickenham H   Brentford HL	2477 4845	19479 27649	18	8	1	8	-	1	-	-	-	-	-	-	-	1-	3
4	Chiswick	1340	15975	20	1	1	3	-						1	- 1	-	- }	1
8	Acton wH	6088	22876	28	11	8	8	-	-	1	-		-		- 1	-	-	1000
	Harrow H Edgware H	18809	12796	8	8	1	2	-	-	-	-	-	-	-	1	1	-	1 2
	Willesden	6994 4383	3749 27453	40	. 1	9	1		-	-	-	-	-	- 1	-	-	-	-
	Hendon W	8382	10484	9	6	1	1	-				-		1	1 1	1	2	4
	Bushey Watford (W, pt. of)* -	9331	6621	8	-	-	-	-	2	-	14	-	-	-	-	-		
	South Mimms	15599	6391	-	-	-		-	-	-	-	-	-	-	-	- 1	-	7
_	Barnet	5483	10092	9	2 4		1 3	-	-	-	-	-	-	-	-	- 4	- 1	-
_	Finehley HL	4688	17615	19	6	1	-	-	-	-		- 1	-		-		2	-
	Hatfield (part of) * -	3806	588	-	1	-	1	-	-	-	-	-	-	-	-	1		
	Hornsey $H$ Tottenham $H$	3039 4642	37078 46456	28	10	4	2	-	-	-	-	-1	-	-	-	-	-	
8	Edmonton Ww ‡ -	7483	23463	82 26	28	11	7		-	-	-	-	-	-	2	8	-	-
	Enfield WH	12653	19104	24	10	5	3	-	-					-			-	-
	Waltham Abbey Cheshunt	11017 8480	5368 7735	7	8	-	1	-	-	-	-	-	-	-	-	-	1	-
	Stratford	882	38606	36	1 9	1	-	-	-	-	-	-	-	-	-	~		4
_	West Ham wwwwH§-	7851	_	149	28	8	1 4		-	1	-	-	-	-	1	1	-	-
_	Leyton WwL Walthamstow H -	4372 6520	32430	55	17	5	5	-	-	1	-	2	1	1		-	1 7	2
_	Chigwell (part of) * H	11761	28869	87	.7	8	1	-	-	-	-	-	-	1	-	-	-	-
	Epping (W, pt. of)* -		9669	9	2		1	-	-	-	-	-	-	-	-	-	1	*
	Romford (part of) * W	6730	3411	2	2		1		-		-	-	-	-	-	-	-	-
9 1	Ilford													(	1	1	1	

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow: The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as follow:—30::2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39::3, Esher sub-district, except the parish of Esher (pop. 1933); 41::1, Bromley sub-district, except the parishes of Cadham and sub-district; 187::1, Chigwell sub-district, except the parish of Theydon; Bois (pop. 875): 189: 1, the varish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42.2, Dartford, 1137: 2, Watford, and 187: 1, Epping, sub-districts.

<sup>‡</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

§ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 22nd June, 1889.

				ANNUA	L RATE			The DE.	ATHS	regia	tered	in t	he W	eek i	nelud	6	
GREATER		Area in Acres,	Estimated	of Mor	TALITY living.	DEATHS	Deat	hs of			I	eath	s from	n			blie
LONDON.		including tidal water and foreshore.	Population, middle of 1889.	From All Causes,	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhose.	Violence.	Deaths in Public Institutions.
(	Cols.	1.	2.	8.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
EATER LONI	OON	448,334	5,642,015	14.2	1.2	1530	363	355	-	26	20	29	34	9	46	62	354
INNER LONDO OUTER RING	N -	77,410 370,924	4,351,738 1,290,277	14·9 11·6	1.7	1243 287	281 82	270 85	1 1 5	23	17 3	27 2	27 7	7 2	40 6	53	324 30

YOTE.—The area of Greater London is 448,834 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,612,869 Persons.

							DE.	ATHS		PRINC		ZYMOT	_
OITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN Week end		BIRTHS. Exclusive o	DEATHS. f Stillborn.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrheal Diseases.
ALCUTTA	433,219	April	27	_	282	27.9	2	2	_	1		57	49†
BOMBAY	773.196	May	28	292	450	25.7	15	23	5	9	9	151	35t
SADRAS	398,777	April	19	273	376	49.0	1	67	9	9	5	87	44
ARIS	2,260,945	June	15	1084	883	20.3	1	14	7	41*	10	10	69
BRUSSELS - ith 8 Faubourgs.)	471,606	99	15	273	. 161	17.8		-	-	1	2	-	19
IMSTERDAM -	403,083	99	15	272	207	27.0	1	8	-	2	4	-	-
ROTTERDAM -	197,723	3)	15	124	106	27.7		16	-	-	1	-	1
I'MB HAGUE .	153,440		15	94	54	18.2	-			-	1	-	3
COPENHAGES -	807,000	, ,,	8	235	150	25°5	-		П	1	5	-	13
STOCKHOLM .	228,218	99	8	172	83	18.9	-		1	1	1	1-1	10
DERIGHTIANIA -	138,300	,,	15	58	63	23.7	-	1		4	3	-	10
T. PRIBESBURG	842,883		8	-	481	29.8	1	8	9	3	4	15	87
BERLIN	1,470,582	99	1	926	658	23.0	-	1	3	13	10	4	141
HAMBURG(State)	575,276		8	370	333	30.5	-	-	2	7*	5	4	24
DEESDEE	264,196	, ,	8	, 162	125	24.6	-	-		1*	-	-	27
BRESLAU	315,000	11	15	216 -	258	43.0	-	9	-	4*	2	-	83
MUNICH	281,000	19	8	209	177	32.8	-	13	5	6 8		1 3	46
VIEWNA	811,434	.,,	8	511	421	27.0	7	1 1	1	5	8	2	7
PRAGUE	304,356	"	8		191	32.7	1 _'	1		4	2	2	34
BUDA-PESTH -	452,907 158,084	"	8	326	65	21.4		_			_	1	3
TRIESTE		39						١.,			2		
ROMB	401,044	May	4	238	178	23.1	2	6	1	5 3	4	8‡ 1	5
TURIN (10 days).		May	20	254	186	22.2		-	1	-			0
: VENICE	153,375	June	_	-								_	
CATEO	374,838	May	30	328	380	52.9	10	4	-	-	3	28	127
ALEXANDRIA -	231,396	.,	30	170	162	36.2	2	3	1	-	-	5	51
NEW YORK	1,549,500	June	1	-	629	21.2	-	5	28	30	15	2	20
BROOKLYN .	814,505	17	1	-	335	21.3	-	7	7	26	7	1	10
PHILADELPHIA .	1,040,245	33	1	-	393	19'7	-	8	7	8	6	13	19
BALTIMORE .	500,343	10	1	-	136	14.2	-	-		3	1	3	1

Including deaths from croup.
 Including 35 deaths from cholera in Calcutta, 10 in Bombay, and 3 in Madras.
 Including 7 deaths from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROXAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 22nd June, 1889.

									1/1	CCCO										_		
ſ		Ozone.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	ea; no	er, are	the air deduced Hygro-	graphic	," and	d, and m the	g; and	to the	0.06 in. by	, tree each
Doin	collected	Gauge whose receiving	surface 18 5 inches above the Ground.	in. 0.00	00.0	00.0	00.0	00.0	00.0	00.0	00.0	26	vel of the sea; no	rmomet m a disc paromet	the manne of the yare disher's	photogntal moral	"higher	Wo reer Deptfor ions fro	frometer s. stron	applying	to 29.93	200
			Depar- ture from Average of 16 Years.	Miles.	- 94	0	+	+ 12	- 1	38	Sum -245	25	an level	outo the luced fro for the	eadings of the metemperature of fundidity are or read by Glaisher's	on of the footing sending	ndicates	arket at instruct	istering Electrometer. The a. moderate; s. strong; and Sunshine Instrument show	stood as	of the wice of the ward	
		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	148	240	239	249	236	156	Sum 1432	24	e the me el.	the wer tions ded ling 1873 Vith the (	ue of te	discussi and that o	that + in	are suspended as a depth of two feet to the Foreign Cattle Market at Deptford, the Market, under instructions from	register ; m. mc	e under	20th; in	
TT: . 3 on dodnood from Anomomorpus.	-	10	Mean Mol of 24 of hourly obs.	1bs.   .	0.0	2.0	0.1	1.0	0.0	0.0	:	23	sea lev	correctars end	the corrected mean of the riche mean daily value of temperature and degree and wet bulb thermomet	from a 1868, au for the	mind	reign ( larket,	r. weak	re to b	at the bon the	
Anem		e on the Foot.	Least, he	lbs. 1	0.0	0.0	0.0	0.0	0.0	0.0	:	22	159 feuce to n; 3h.	ion of ion of nty ye nomet	ected an da ature t bull	rived	rne in	the Fo	ve; w	h day,	Soin.	
mod from	1000	Pressure on the Square Foot.	Great. Le	lbs. 11	1.4	0.5	1.3	1.1	1.8	0.2		21	to red	thern oplication twe twe	ne corremente me	at de ears el	be bo	s of t	negati	on eac	om 29.	200 111
o dodne	lu as ucuuc		Gr	-	-	3			24	13			dings h. A.M	y bulb the ar	ined the ing the oint to dry a	r is the 20 y	t will	jettie jettie se Cle	ved fr 3; N.	shine ical ob	sed fr	20 00
400	WING	General Direction.	P.M.	NE. & ENE. ENE. & ESE.	ENE. RE.	ENE. &	NE. & E.	ENE, & NE.	ENE. E.	N. & NNE.	ENE.	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., The means of the	eye-readings of the barometer, the dry built intermometer, and the wet built thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the thermometers. With the corrected mean reading during the twenty vears ending 1868 for the thermometers. With the corrected mean reading	of the dry bulb thermometer is combined the corrected mean of the resungs of the maximum and minimum thermometers, forming the mean daily value of then jerselium 8). The mean daily deep point temperature and degree of humidity are deduced from the mean daily deep of the dry and wet bulb thermometers by Glaisher's Hygro-	metrical Tables.  The average temperature of the air is that derived from a discussion of the photographic grocous made at Greenwich during the 20 years ending 1888, and that of horizontal movement for an advanced on the air from a discussion of the anenometric records for the 18 years ending 1875.	In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," - "lower," than the average.	The thermometers in the water of the Thames are suspended as a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.	The record of Electricity is derived from Thomson's sell-registering theorometer, symbols employed are:—P. positive: W negative: W weak; in moderate; s, strong; w variable ployed are:—A derived from the Cambbell-Robes Sunstine Instrument, at the cambbell-Robes Sunstine Instrument, and	the aggregate duration of bright sunshine on each day.  The results of all the meteorological observations are to be understood as applying to the	CIVI 687, Or from Influence to distinguished from 29 SGUIL at the bearinging of the week to 30 06 The reading of the barometer increased from 29 SGUIL, at the bearinging of the week to 29 SGUIL 31 L.A. on the 20th, increased to 29 SGUIL 50 SGUIL	angiora no
ı	-	General I	A.M.	& ENE.	Calm's NE.	ENE. & NE.	NNE. & NE.	NE.	NNE. & NE.	ENE.&NNE.	NE. &	19	applied tusually t	baromete n daily records	mometer rmometer mean dai	perature eenwich	olumns 9	s in the and of or register don.	are:-P	tion of b	e barome	a; acced
Soyat.	1	es :	1 5 .		Cal	EN	NN		NN	EN	1	1_	of the s been ns are	of the to mea	lb ther im the The ream da	les. ge temj at Gr	the c	The thermometers in the surface, at the end of their readings are region corporation of London.	d of E ployed	e dura	The reading of the by 9h. A.M. on the 1	9h. A.M. on the zzn the end of the week
mer k	RE.	Of the Water of the Thames at Deptford.	Low-est.	• :	-		:	:			1:	18	neight ion ha rvatio	dings ted in shotog the tv	lry bu inimu n 8). he me	al Tab average made	sading	therm face, readin	recordiscerifications and less	gregat	readin	d of th
strono	RATU		High.	• :	:	:	:	:		:	:	17	The orrect	ye-rea onver	f the mod m colum	The The ecords	In r - "101	The the sur their	The recosymptosis en	the ag	The The	9h. A.t
[Under the Superintendence of the Astronomer Koyat.]	TEMPERATURE.	Of Radiation.	Lowest on the Grass.	46.0	3 48.8	, 43.3	1.14	9 45.8	9 48.8	8 46.6	9 45.1	16	0			after- r		with	till			
ence o			High- est in Sun's Rays.	0	124.3	128.0	145.0	139.0	135.6	138.8	134.6	15		cloudless at	partially ie at night.	fine af			ut fine	fine afterwards, with till evening; cloudless		
intend		Degree of Hu- midity		17	19		77	5 74	81	77	76	14	3KS.	evening;	rery fir	very		afterw lless at	loudy 1	afterv evening		
Super	etween	and Dew Point Temperature.	Least.	1.5	0.0	0.0	0.0	1.5	1.0	1.0	1.0	13	GENERAL REMARKS	till even	and very fine in morning;	cloud; till affernoon; very fine small amounts of light cloud.		y fine	tially c	ry fine		
er the	Difference between	Alr Jemperadud Dew Point Temperature.	Great.	0 16.3			18.5	19.4	15.0	51.6	17.2	12	AL B	clouds ti	fine	ill afte	ıdy.	g; ver	g; par	morning; very		
[ Unde	Diffe		Mean daily value.	0.4.6	6.5		7.1	9.8	00.00	2.7.4	7:00	=	ENER	ght ele	nd very	oudr ti nallam	lly dou	morning	momin	mornin of ligi		
۱		Of the Dew Point.	Mean daily value.	0 25	51.5	47.9	49.6	53.6	2.99	54.5	52.1	10	5	Very fine; light	less an	ally cl with sn	Fine; partially doudy.	y in 1	ast in	ast in	ئ	
	RE.		De- from Average of	+ 1.3		4.4	10.50	+ 1.7	4 1.0	8.0 +	9.0 -	6.		Very night.	Cloudless and ver	Generally wards, with	Fine;	Cloudy in morning; very fine afterwards, little light cloud til evening; cloudless at night.	Overcast in moming; partially cloudy but fine evening; overcast at night.	· Overcast in m	at nigh	
		ir.	Mean daily value.	, 09	0.89	55.5	2.99	65.5	62.3	6.19	59.6	00	above rizon, hours.	16.5	9.91	9.91	9.91	9.91	9.91	16.6	Sum 116.1	80
	TEMPERATU	Of the Air.	Daily Range.	0 60	21.0	17.3	24.3	25.1	20.3	6.12	22.7	7	red Sun B. Ho									
ı			Low-	0 20.3	48.1	48.1	45.7	20.2	33.8	1.19	1.67	9	Registered Sun above Sunshine, Horizon, in hours. in hours.	12.6	\$	70	ec.	10.1	8.1	9.6	Sum 65.3	58
ı			High-	0	1.69	65.4	0.04	75.8	1.47	0.64	72.4	1G		-			ion (ek.					
ı	BARO-	Mean	cor- rected and re- duced to 32° Fabren- heir,	in.	80.099	30.055	29.917	29.882	88.68	29.896	986.63	4	ELECTRICITY. (For explanation of symbols, see Note.)				in act					28
		Phases	of the Moon.			: :		Last Qr.	-	Equator.	:	07	ELEC (For exp	-			The electrometer was not in action throughout the week.					
			S W	-	TA TA	1787	161					1		16	17	18	61	8	15	22		[
		1889.	Моити анд	JUNE.	Vor.	приме.	WRD.	THITTER.	FRI	SAT.	MEANS	No. of Col	DATE.	SUNDAT	MONDAY .	TUESDAY .	WEDNESDAY	TRUBSDAY.	FRIDAY .	SATUEDAY.		Mr of Col.
	_													32	A	H	<b>A</b>	H	14	002		L

## OFFICIAL COPY.

# WEEKLY RETURN

#### IN LONDON DEATHS BIRTHS AND

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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WEEK ENDING SATURDAY, JUNE 29.

 $\Gamma$ Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, 1st July, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.3 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending		· ·			Weeks	ending	
Towns.	June 8.	June 15.		June 29.	Towns.	,	June 8.	June 15.	June 22.	June 29.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull - Leeds - Leicester* -	13·4 22·8 17·3 16·9 18·0 13·0 14·8 21·7 27·0 19·7 22·1 18·2	20·7 15·9 16·4 11·1 16·4 17·6 14·3 20·6 19·1 19·6 18·7	16·6 15·5 22·3 15·8 9·9 14·8 18·1 10·6 25·1 15·7 25·3 21·9	18·3 15·5 22·4 19·6 16·4 13·7 13·0 18·5 15·9 22·5 14·6 22·1 22·6 20·1	Manchester Newcastle-on-Tyn Norwich - Nottingham Oldham - Plymouth - Portsmouth Preston - Salford* - Sheffield - Sunderland	e*	15·7 30·2 22·7 13·8 17·8 20·2 26·0 15·1 36·1 21·6 19·5 21·4	15·0 26·3 20·4 13·3 12·7 17·6 20·0 14·4 33·0 15·1 17·9 21·0	11·2 13·9 20·7 14·0 26·0 20·3 17·7 18·3	15·2 25·9 21·4 14·9 14·9

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.3 in Newcastle-upon-Tyne, 1.8 in Bolton, 1.9 in Halifax, 3.3 in Hull, and 5.5 in Preston; from scarlet fever, 2.0 in Plymouth; from whooping-cough, 1.3 in Plymouth, 1.5 in Birkenhead, 1.8 in Oldham, 2.3 in Cardiff, and 2.5 in Wolverhampton; and from diarrhaa, 1.8 in Manchester, 1.9 in Sunderland, 2.2 in Bradford, 2·4 in Salford, and 2·8 in Leeds and in Leicester. The death-rate from "fever" did not reach 1·0 in any of the twenty-eight towns. The 24 deaths from diphtheria in the twenty-eight towns included 13 in London, 2 in Birmingham, 2 in Salford, 2 in Leeds, and 2 in Hull. Small-pox caused no death in any of the twenty-eight great towns.

### LONDON.

In LONDON 2467 BIRTHS and 1265 DEATHS were registered. Allowing for increase of population, the births were 270, and the deaths 198, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 15.7, 15.0, and 14.9 in the preceding three weeks, rose again last week to 15.2. During the thirteen weeks ending on

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff over-stated and those for Newcastle-upon-Tyne and Cardiff over-stated.

Saturday last averaged 16.0 per 1000, and was 3.3 below the mean rate in the

corresponding periods of the ten years 1879-88.

The 1265 deaths included 33 from measles, 10 from scarlet fever, 13 from diphtheria, 27 from whooping-cough, 8 from enteric fever, 1 from an ill-defined form of continued fever, 57 from diarrhæa and dysentery, and not one from smallpox, typhus, or cholera; thus, 149 deaths were referred to these diseases, being

101 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 14; no small-pox patient was under treatment in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had been 39, 32, and 23 in the three preceding weeks, rose again last week to 33, but were 31 below the corrected average; 4 belonged to Pancras, 3 to Camberwell, and 5 to Greenwich sanitary areas. The 10 fatal cases of scarlet fever showed a decline of 7 from the number in the previous week, and were 18 below the corrected average; 3 belonged to Pancras sanitary area. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 569 scarlet fever patients, against 572 and 559 on the two preceding Saturdays; 64 cases were admitted to these hospitals during the week, against 33 and 44 in the two previous weeks. The deaths from diphtheria, which had been 34, 26, and 27 in the preceding three weeks, declined last week to 13, and were 4 below the corrected average; 2 belonged to St. George-in-the-East sanitary area. The 27 fatal cases of whooping-cough corresponded with the number in the previous week, and were 29 below the corrected average; 3 belonged to St. George Hanover Square, 4 to Marylebone, 3 to Newington, and 4 to Wandsworth sanitary areas. The deaths attributed to diarrhaa and dysentery, which had increased in the five preceding weeks from 13 to 40, further rose last week to 57, and exceeded the corrected average by 3; 54 were of children aged under 5 years of age, including 39 of infants under the age of one year.

The deaths referred to enteric fever, which had been 3, 8, and 7 in the three preceding weeks, were last week 8, and were 4 below the corrected average. The death of the daughter of a labourer, aged 5 years, in Poplar sanitary area, was indefinitely referred to "low fever, dropsy." The Metropolitan Asylum Hospitals contained 21 cases of enteric fever, and not one of typhus on Saturday last; 5 cases of enteric fever were admitted during the week, against 3 and 5 in

the two previous weeks.

The deaths referred to diseases of the respiratory organs, which had been 205, 169, and 171 in the three previous weeks, declined last week to 169, and were 45

below the corrected average.

Different forms of violence caused 39 deaths; 30 were the result of negligence or accident, among which were 12 from fractures and contusions, 2 from burns and scalds, 8 from drowning, and 6 of infants under one year of age from suffocation. The 12 deaths from fractures and contusions were thus caused:—8 by accidents from vehicles and horses in the streets; 2 by fall from window; 1 by fall in street; and 1 by injuries from lift. An inquest was held in each of these 12 cases. Six cases of suicide were registered, being 4 below the corrected average.

# GREATER LONDON.

In Greater London 3231 births and 1599 deaths were registered, corresponding to annual rates of 29.9 and 14.8 per 1000 of the estimated population. In the Outer Ring 8 fatal cases of diarrhæa, 6 of scarlet fever, 5 of measles, 5 of diphtheria, and 5 of whooping-cough were registered. The 6 deaths from scarlet fever included 4 in West Ham sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.90 ins.; the lowest reading was 29.83 ins. on Thursday afternoon, and the highest 30.10 ins. at the end of the week. The mean temperature of the air was 64.1, and 2.3 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Sunday and Monday, but showed a considerable excess on each of the other days of the week. The general direction of the wind was N.E. and E., and the horizontal movement of the air averaged 5.2 miles per hour, which was 5.0 miles below the average in the corresponding weeks of 16 years. Rain fell on Monday to the amount of 0.02 of an inch. The duration of registered bright sunshine in the week was 54.1 hours, against 54.2 hours at Glynde Place, Lewes.

					-			_	_	_		_	_	_		-	_																		
		CITIES	AND BOROUGHS,		Cols.	- 28 TOWNS.	LOWDON.	BRIGHTON.	PORTSMOUTH.	NORWICH.	BRISTOL.	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	Borron.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURN.	HERSTON.	HALIPAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL	NEWCASTIR	CARDIFF.		EDINBURGE.	GLASGOW.	
ı	A E E		centi-	I	24.	0.00	90.0	00.0	1	100.0	00.0	00.0	1	1	00.0	1	1	00.0	1	,			1	1 1	1	00.0	1	1	Ł	0.00	3 1		00.0	0.0	200
ŀ	RAINFALL		n Inobes.	I	23.	00.0	0.03	00.0	1	. 00.0	00.0	00.0	1	1	00.0	1	1	00.0	1	1	,	1	1	1 1	1	00.0	1	1	1	0.00	3 1		00.0	00.0	700
1	AIR.	-	-sbargita	= =	22.	16.17	17.83		1	17.44		15.33	ı	1	21.9		,	44	1	,	1	1	1	1 3	1	11	1	1	1	39	3 1	= =	14.84	14.80	-
	FTHE	Mean.	hrenheit.		21.	61.1		62.2 16	1	63.4 17		59.6 15		1	91 1.19	1	1	20.8 12	1	1	1	ı	į	1 1	ı	91 0.19	1	1	1	E7.0 14				58.8 1	-
ı	FURE O		LOWess	= =	-																		_							===		-  =	_	45.9	_
ı	TRMPERATURE OF THE AIR.	-	Higher Higher		20.	8 47.8	1.8 49.5	9.19 7.	-	51.0		0 47.8		_	4 49.5	_	_	8 50.4		•						2 52.0				25	-				-
	TE	eq.			19	.18 9	200	81	1	78.0		0.82	1	-	18.4	1	-	73.8	1	1	,	1	1	1 1	1	2 76.2	-	1	200	0.04			_	8 76.0	-
lei Re	per 1006,	to the Week's Deat	From iscases in ols. 6-12.		2	çs.	-		1.1			 	-		C.				4				3 0		ė			63 6	0 6	3 6	1 53			8 6	
Annue	pel	Week	IlA mor'	1 :	17.	17.3	15.2	13.7	14.0	18.0	13.0	0.61	15.5	1.02	14.9	15.9	18.3	20.5	18.6	6.27	20.3	17.6	4 77	14.6	2.53	16.4	55.6	6.91	7.77	7. Lo	18.2		14.3	9. 77	2
ı		p	ofittoonU off to assura	9	10.	99	10	-	1 1	1		_	67	1	-	-	63	18	-	_	63	9 0	90	0 00	00	-	1	9	23	1		-	14	228	THE
ı		*81	Desthe in Public Rotitution	7 7	10.	568	314	4 1	10 4	1	14	-	26	11	16	-	<b>61</b>	40	-	38	12	64	N	0 6	9	63	10	15	- 0	3 0	9		20 10	K 627	3
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ı	The DEATHS registered in the Week include		.amdrrai(	I	12	185	22	-	1 1	8	7	г	11	00	63		1	16	ာ	13	11	63	41 0	2 1	H	10	19	00 :	20 1	0 0	1 1		63 1	. 0	a
ı	he We		.T676F.	1 7	1	35	6		63 1	ě	1	1	г	ı	7	-	-	20	1	-	-An	1 0	N -	4 1	1	1	7	1	-	13 1	1		1 (	pol E	-
١	ed in t	from	Vhooping-	5	1	93	27	-	- 1	67	1	4	4	1	9	1	က	12	T.	ಣ	-	20	1 0	1 12	à	00	<b>c</b> 3	73	43 (	7 0	2 10		00	15	9
١	gister	Deaths from	olphtheria.	I	6	24	13	ł	1 1		1	1	67	1	1	1	ı	1	7	1	67	1	3	1 1	1	1	67	i	C7 1	7	1			63 1	
ı	THEFE	A	Carlet Fever.	3 0	o l	41	10	1	1 1	es	1	1	64	1	-	ı	-	9	-	7	တ	C	23 -	4 1	1	67	-	4	1		-		93	20	
ı	e DEA		feasles.	I F	:	66	33	-	1 1	1	4	-	1	-	63	ı	,	9	4	00	ı	ı	1 ;	7 -	( 65	63	4	1	13	1 4	B		3	10	
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		10 t	ersons aged 60 Years 1d upwards.	18 -	2.	612	282	0	0 0	2 4	11	49	34	16	14	10	00	52	10	21	15	00	17	4 5	. 6	00	53	23	120	0 0	5 10		10	98	20
		Deaths of	Year of Age.	<u>a</u> -	4	843	315	00	16	, or	12	2	33	22	13	63	14	54	14	48	20	13	11	10 1	-10	28	52	36	21	177	13		16	33	200
1	luring	nding 1889	EATHS.	-	00	3170	1265	32	44	176	22	30	135	289	89	30	36	238	43	188	16	48	25	176	2 28	7.4	155	106	88	# 0 99	9 9		73	219	*04
١	Registered during	the Week ending	BIRTHS. DEATHS.		0,1	5792	2467	63	66	200	119	22	261	100	139	57	59	374	64	309	120	107	- T	38	43	133	241	202	138	201	81		151	943	01.0
	2	Z			1.	9,555,406	4.351.738	121,807	141,253	94,510	78,225	82,544	454.835	150,520	287,812	98,529	102,541	606,562	114,670	878,800	234,283	142,405	121,275	104,194	81,080	235,056	357,449	827,227	208,017	160 983	112,712	-	266,900	353,144	- Contains
					Cols.	•	٠	•	•	٠		TON	٠	•		•	•	•		٠	•	•	•			•			•			1	•		
		CINTER	AND BORUUGHS.		0	28 TOWNS	· MORDON	ROLGHTON .	PORTEMOUTH	NORWICH .	PLYMOUTH .	WOLVERBAMPTON	MANUSTRANCE	L'RICESTER .	NOTTINGHAM	DRRBY	BIRKENHEAD	LIVEBPOOL .	BOLTON	MARCHESTER	SALFORD.	OLDHAM -	BLACKBURN .	PRESTON .	HALIRAX .	BRADFORD	LEEDS	RID	HOLE .	NEWCASTLE.	CARDIFF	-	EDINBURGH -	GLASGOW	Domman

TABLE 1.-BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 29th June, 1889.

TABLE 2. LONDON .- Births and Deaths Registered in the TWENTY-SIXTH Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males  Females .	2427	2493	2486	2470	2589	2691	2483	2437	2735	2289	2737·1	2467
	1161	1265	1254	1266	1263	1347	1288	1246	1402	1128	1376·2	1265
	1266	1228	1232	1204	1326	1344	1195	1191	1333	1161	1360·9	1202
TOTAL Deaths  Males  Females .	1272	1300	1440	1303	1432	1471	1366	1258	1338	1238	1463 · 2	1265
	681	687	767	682	753	808	729	659	700	636	774 · 5	699
	591	613	673	621	679	663	637	599	638	602	688 · 7	566

The numbers in this column are the average weekly numbers in the twenty-sixth weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

					_									
		Apr.	Apr. 13.	Apr. 20.	Apr. 27.	May 4.	May 11.	May 18.	May 25.	June 1.	June 8.	June 15.	June 22.	June 29.
TOTAL	Births	2676	2509	2488	2522	2712	2565	2648	2402	2405	2523	2396	2636	2467
TOTAL	Deaths	1572	1493	1426	1462	1386	1295	1231	1267	1151	1306	1247	1243	1265
Ages at	0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, -	729 175 287 305	671 183 266 310	670 174 214 299	708 171 256 264	626 184 266 258	577 175 251 245	571 169 205 232	608 152 221 224	506 148 209 237	601 186 245 234	564 178 227 236	575 180 218	572 179 232
Death	at 80 years & upwds.	76	63	69	63	52	47	54	62	51	40	47	225 45	229 53
39 -	Under 1 year - 1-5 5-20	368 261 100	322 251 98	299 279 92	361 273 74	309 246 71	287 218 72	267 225 79	301 222 85	242 181 83	306 205 90	293 184 87	281 203 91	315 189 68
Deaths fro	om Small-pox	-	-	-	-	_	_	_	-	_	_	-	-	_
53	" Measles " Scarlet fever - " Diphtheria -	74 15 26	72 13 36	70 10	65 9 29	68 15 21	60 10 23	53 7 24	16	31	39	32 11	23 17	33 10
"	Whooping-cough Typhus	49	43	51	56	55	37	36	48	16	26	26 37	27	13 27
2)	,, Enteric fever - ,, SimpleContafever	9	10	6	3	5 2	5	7	5	9	3	8 2	7	8
	Dysentery - S	17	11	10	18	12	10	14	13	14	19	34	40	57
	" all the above-)	190	187	169	181	178	149	142	1 152	123	138	150	141	149
	,, Dis. of Respira- tory System	364	294	300	305	242	213	217	177	162	205	169	171	169
	Phthisis Dis. of Circula-	170	152 135	128	164	143	125	137	148	144	174	162	155	137
Violent D	tory System §	69	185	98 57	119	154 55	184	97	98	101	97	106	123	99
Inquest C		130	130	111 315	116 331	107 315	66 125 310	51 85 311	48 89 342	55 104 290	58 91 323	48 109 290	53 105 324	39 90 314
Mean Mean o	f Highest readings - f Lowest readings -	43·5 51·8 37·4	43·5 50·4 38·6	46.5 55.3 39.8	47.5 57.8 39.1	50.8 61.9 41.5	57·7 67·9 49·1	54·0 64·5 46·7	61·9 75·1 50·8	55·7 64·9 48·0	64·3 77·2 53·4	56.8 64.0 51.7	59.6 72.4 49.7	64·1 77·1 52·1
Humidity	of the Air	78	90	84	80	79	77	85	77	82	73	89	76	71
Rain-fall		0.27	0.56	0.10	0.75	0.79	0.71	0.19	0.21	1.33	0.31	1.73	0.00	0.02
Registered	d Sunshine (in hours)	21.3	8.6	12.5	31.3	39.8	37.5	27.7	49.1	47.2	50.1	3.3	65.3	54.1

# METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observat the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.R.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Sinpson, Esq., Wrottesley, Wolverham pton: Henry Tomkins, Esq., M.D., Leièester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-ham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq.. Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the

			· .	TW	ENT	ry-s	IXT	H \	W ee	k of the Year 1889.									
	the		In	the V	Weel	k end	ling	0	1		s		1	n the	Wee	k er	uline		-
	for the		Satur								ed Averages for the ceks of the 10 years 1879-83.*			rday,				9.	
	e 10		De		e A	erson ges	10 01		ı		* 10		De	aths	of Pe		18 of		
	rerages of the 10 9-88.*		IT	nder	-	40.	0.	80.	-	CATTONIA OF DULLER	t the				1	40.	60.	80.	
CAUSES OF DEATH.	Ave ks of 1879-	*		20.		ler 4	under 60	2	and	CAUSES OF DEATH.	A V (KS 0 1879			nder 20.				67	and .
	oted	AGES.				under	nuc	under	ars		Vee	AGES.				under	under	under	ars irds
	24		-	00	20.	and	and	and	upwards.		Corrected 26th Weel		1.	50	20.	and	40 and	and	upwards.
	Cor 26t	ALK	-0	1-5.	10	20	40	99	30		000	ALL	0-1.	1-5.	5-20.	30	40	60 8	3 2
ALL CAUSES	1 (00.0	1005	215	100	00	*HO	000	020	P()										
WEE OVOOLO	1463.2	1265	010	109	-00	110	202	229	00	Diseases of Organs of Special Sense † }	2.1	2	H	-	1	1	-	-	-
Vaccinated! -	) (	-	-	-	-		-	-	-							-		-	-
Small- Unvaccinated	<b>\14.4</b> \		-	-	-	-	-	-		Diseases of Circulatory	96.3	99	-	-	2	16	38	35	8
No Statement	61.0	33	5	25	3		_						-	-			-	-	-
Searlet Fever	27.7	10	-	7	2	1	-	-		Croup	11.6 108.4	79	18	17	1	2	13	27	4
Typhus	1.0	-	-	-		- '	-	-		Pleurisy	70 1	61	18	16	1	2 7 1	9	10	-
Relapsing Fever't	0.5		-	-	-	-	-	-		1 Other Diseases of Respi- )	20.2	23	4	10	1	2	1	5	
Influenza	85.7	27	14	13	-	-		-		ratory System S		-		-				_	
Whooping-cough Diphtheria	17.2	13	-	8	5	-	_			Dentition †	13.4	8	7	1	-	-	ĩ	-	-
Simple Continued and)	1.9	1	-	-	1	-	-	_		Quinsy, Sore Throat † - Enteritis	1.8 8.4	9	3	1	1	2	2	2	-
Ill-defined Fever	11.9	8		1	3	3	1	_	_	Peritonitis Diseases of Liver	8.4	35	2	-	-	3 7	16	10	-
Cholera	2.2	-	-	-		-	-	-	-	Other Diseases of Digestive System -	28.6	29	4	2	2	7	8	5	1
Diarrhosa, Dysentery -	53.7	57	89	15	-	1	-	1	1				-	-	-		-		
Remittent Fever† Hydrophobia	0.3		-	-	-	-	_	-	-	Diseases of Lymphatic ) System & of Ductless	1.8	4	-	-	1	1	2	-	-
Glanders	0.2	-		-	-	-	_	-	-	Glands †)									
Cowpox and Effects of	0°2	-	_	_		_	_	-		Diseases of Urinary	0710	20				_	10	7	
Vaccination † \} Venereal Affections -	10.9	9	8	2	_	2		-	-	System	87°2	36	-	-	1	. 9	18	. 7	1
Erysipelas	- 5.0	-	-		-	-	-	-	-						-			-	
Pysmia and Septicemia 1		8	-	-	1	2	-	-	-	Diseases of Generative	6.0	6	-	-	-	8	1	2	-
Puerperal Fever	8.1	3	1	-	-	2	1	-	-	Accidents of Childbirth -	4.4	1	-	-	-	1	-	-	-
Other Zymotic Diseases		1	-	-	-	-		-	-	Diseases of Locomotive	810		١.	1					
Thrush	8.0	5	5		-	-	-	-	-	System †	8'2	8	1 1	-	3	3	1	_	1
Worms and other Para-	0.2	-	-	-	-	-	-	-	-	Diseases of Integumen-			1		-				1
Blocal Disonsos j	-		-	-	-				-	tary System	5.6	8	1	-	-	1	-	3	1
Starvation, Want of	1'4	-	-	-	-	-	-	-	-										
Breast-milk †	4.4	10	-	-	-	4	5	1		VIOLENT DEATHS.						-	-		
	-	1-	1	-	-	-	-	-	-	(ACCIDENT.)									
Rheumatic Fever, Rheumatism of Heart	6.8	9	-	-	3	3	2	1	-	Fracture and Contusion Gunshot Wound -	21.1	12	-	6	2	1	1	2 -	-
Rheumatism †	2.0	2	-	-	-	-	1	1	1	Cut, Stab Burn and Scald -	0.3	- 2	-	-	-	1	-	-	-
Gout	3.9	5	-	-	-	2	. 1	2	_	Poison Drowning	1.6	1 8	1	1	4	2	1	-	1
Rickets †	2°7 53°0	43	3	2	-	-	11.	1.	-	Suffocation		7.	6		-	=		=	-
Cancer	27.8	31	18	9	3	1	27	14	1 -			1-		-	-	-		-	-
Tubercular Meningitis -		24	3	12	8	1	-	-	-	(Homicide.)						1			
Phthisis	165°9	137	1	5	9			9	-	Murder & Manslaughter	1.5	3	2	-	-	1	-	-	-
Scrofula, Tuberculosis - Other Constitutional		21	10		8			1 -	-						-				
Diseases †		11	2	-	1	1	3	4		(SUICIDE.) Gunshot Wound -	0.7	1				-		1	
Premature Birth -	88.0	05	0.0		1	-	1			Cut, Stab	- 2.6	1 3				-	1	8	-
Atelectasis t	2.0	87	87		1					Drowning	1.2	2	1				1	-	-
Congenital Malforma-		7	7	-	1					Hanging Otherwise	2:8	J	-		-	-		-	-
tions Old Age	47.8	52						27				-1-	-1-		-	-		-	
				-	-	-	-			(EXECUTION.)				1					
Apoplexy	41.0	37	_	-	-	3			_		- 0.0	-			-	-	-	-	-
Epilepsy Convulsions	- 7·9 - 47·3	7	_	-	1	2	2 2	2 2	2 -				-				-	-	T
Other Diseases of Brain	2 00.2	42				1		4 60	7 10	OTHER CAUSES † -	- 52.4	56	4	4 5	-	1	2	4	
and Nervous System	86.1	99	20	16	1	4   8	3 1	1 2	1				-	-	1				
				-	-	-	-	-				-	-			_	-	_	

<sup>\*</sup> The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9.048 per cent. for increase of population.
† As the ten years average could not be correctly ascertained, the average for the seven years 1882-8 has been used.
‡ Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When he medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered factitioner, the case is returned under the heading "no esteement."

The evidence at inquests is often insulticent to enable the Coroner to certify whether a violent death be the result of accident, murder, landaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON .- POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		-1		_	_		etra -	7-1			and f	n the	Wee			v ees		أ
							The	DEA		Death					1	1		
	Enume-			Deat													blie	Causes
REGISTRATION SUB-DISTRICTS.	Population,	Total Burrus	Total DEATHS.	Infants under l	Persons aged 80 Years & upwds	Small-por.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enterie (or Typhoid) Fever	Simple con-	Diarrhas.	Violence.	Inquest Cases.	Deaths in Public linstitutions.	Uncertified Car
LONDON	8,815,704	2467	1265	315	282	_	33	10	13	27	-	8	1	57	39	90	314	10
West Districts  North Districts  Ceveral Districts  East Districts  ROUTH DISTRICTS  METROPOLITAN ASSIUM HOS- PITALS OUTSIDE REGISTRATION LONDON  WEST DISTRICTS.	669,683 905,947 282,238 692,738 1,265,148	855 589 165 496 862	228 268 90 243 436	48 59 20 64 127	60 60 17 51 94		4 8 3 4 14	1 3 1 - 5 -	2 4 1 4 2 -	6 6 - 3 12 -	1	2 - 1 5 -	1 -	10 7 8 16 16	4 9 10 4 12 -	13 23 13 12 29	75 63 27 81 63	1 2 7
St. Mary Paddington WHH G.J. &W.M St. John Paddington H - G.J.	-,000	39 8	12 12 43	5 - 6	2 3 16	-	-	-	1	-	-	-	-	2 2	1	1 2	1 7 20	
Rensington Town Ww - W.M. & C.J.  Brompton H - W.M. & C.J.  St. Peter Hammersmith W. M. & G.J.	7.899	65 7 4	8 2	1 2	2	-	-	-	-	-	-	- 1	-	-	ī	1 - 2	3 - 3	1 1 1
Fulham Wow - W.M. & C.	0396	47 55 20	20 25 17	10 6	6	-		-	-	2 - 1	-	-	-	1 - 1	-	1	2 10	1 1
Chelsea North-east Chelsea North-east May Fair WW	24925 32807 80853	16 18 8	18 9 8	3	5	-	-	-	1 -	1 2	-	-	1:	1 1	- 2	- 8	5 8	
Belgrave WHHH- St. John Westminster HHH St. Margaret Westminster H - C. St. James Westminster WHH N.R.&G.J St. Anne Soho HHHHHHHH - N R.	59220 85496 24679 29941 16608	17 24 4 18 15	17 11 13 9 4	2 -	2 2 1		2 - 2 -	1						1 -	-	1 -	10 2 1	1111
NORTH DISTRICTS.  All Souls Marylebone HHHH - W. M. Cavendish Square HHHH - W. M. Rectory Marylebone WH G.J. & W. M. St. Mary Maryleb HHH G.J. & W. M. Christohurch Marylebone H - W. M. St. John Marylebone H - W. M. Regent's Park Pancras H - W. M. Regent's Park Pancras H - W. M. Regent's Park Pancras H - W. M. Gray's Ina Lane HHHH - N. R. W. M. Gray's Ina Lane HHH - N. R. Camden Town WH - N. R. Camden Town WH - N. R. Lington South-west HH - N. R. Islington South-west HH - N. R. Highbury H - N. R. Stoke Newington H - N. R. Stoke Newington H - N. R. Stamford Hill - West Hackney H - E.L. & N. R. Bouth Hackney WwwwH - E.L. & N. R. South Hackney - E.L. & N. T. Caventa A. Districts.	24809 21118 88700 83633 48712 89115 27729 80247 848369 17811 87487 67946 61835 52048 22781 9277 87610 1, 76911	10 8 5 36 23 21 20 30 12 24 21 9 45 52 60 44 28 23 8 23 23 24 24 24 25 26 26 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	8 6 6 7 9 8 8 10 14 10 13 11 1 9 10 23 3 6 16 12 12 9 3 3 6 32 11	2 2 4 6 3 4 1 7 7 6 6 1 4 1 7 7 6 6 1 8 1 1 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8			8 3 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 -	1 1 2 2 1 1 1				1 1 2 2 - 1 1 - 1 1 - 1	3 1 2 2	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 1 1 1 1 2 2 8 5 1 9 3 10 - 2 1 1 1	
St. George Bloomsbury - N.R	. 1864 19837 17508 7515 8559 . 18671 10706 6588 17516 19281 14773	7 6 9 8 5 4 - 8 8 6 14 7 7 13 13 13	4 4 3 3 2 7 7 3 8 3 2 2 2 3 9 9 5 2 2	1 - 4 1 2 1 2 8 1 1	3 2 - 1 1 3		1	1				11111111111111		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3 4	1
Oid-street H - N.R City-road HHL - N.R Whitecross-street - N.R Finabury Holborn Union Workhouse, Mitcham, w. St. Botolph H - N.R. E. Crippicate - N.R St. Bepulchre H - N.R St. Beide W - N.R Allhallows Barking - N.R Broad Street H - N.R	9217 7468 11174 7193 5358 8396	8 2	7 4 2 2 - 16 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	31	11111111111	111111111	111111111	1		1111111111			1	1 6 -	1 2 6	12	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Worklouis H-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving inmates from other Districts than that in which it stands see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts: -G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Yauxhall; L. Lambeth; N. B. New River; E.L. East Louion; and K. the Kent Company.

TER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

urday, the 29th June, 1889.	-							_	_	_			_	_	_	-		-
9							The	DEA	THS T	egiste	red i	i the	Weel	k inel	ude			
	Enume-			Deat					1	Death	s fron						10	1863
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Intants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Cause of Death.
East Districts.  N.R. & E.L. Leonard Shoreditch HL®, - N.R. axton New Town w N.R. axton Old Town N.R. aggerston WH - N.R. & E.L.	7376 14967 29937 28036 46275	6 9 17 22 36	1 5 14 4 16	1 8 1 4	1 8 - 5	11111	1	11111	ī	1	11111	11111	11111	1	11111	- 2 - 1	8 8 6	11111
ackney-road H- reen, Bethnal Green WHL* - E.L. urch, Bethnal Green - E.L. wn, Bethnal Green - E.L.	29738 47932 29981 19810	18 41 23 17	3 26 11 7	2 5 1 4	9 2 2	1111	1111	1111	1	1111	1111	1111	1111	1	1111	1	17	ī
italfields E.L. & N.R. ile End New Town W hitechapel Church H codman's Fields E.L. ldgate E.L. N.R. & E.L.	22585 15473 17490 9713 6102	14 18 6 4 9	6 10 22 3 8	3 4 - 3 -	- 4 - 1	11111	21 1 1 1 12	11111	11111	11111		1 -	1111	1 - 1 -	1111	1	8 18 -	
. George's North - E.L. John, St. George East W - E.L.	88747 8410	30 12 11	17 5	8 8	ī		1	-	1	1 1 1	1.1	-	-	2 - 5	1 -	1	3 9	-
nadwell HH - E.L. & N.R. ateliff E.L. imehouse E.L.	10895 16107 82041	20	<b>5</b>	3 2	1	-	1 1	1 0 1	-	1.1.1	-	-	-	2	2	2	-	
ile End Old Town West - E.L. ile End Old Town East WwwH-E.L.	87960 67653 87074	25 51 14	11 19 8	2 7	6	-	7 -	1 1 4	-	1	-		-	2	1	2		1 -
ow L 'E.L. romley wwwH E.L. E.L.	64359 55077	58 32	26 9	3	7	-	-	1 1	-	ī	-	-	1	-	7	ī	11	-
SOUTH DISTRICTS.   L. & S.   L. & S.   Saviour Southwark	18668 14999 21381 15958 21318 26672 59555 21623	4 7 8 15 13 21 89 18	3 10 4 7 8 9 25 8	2 2 4 2 2 11 2	2 1 1 - 1 5	11111111	1 1 - 1		1111111	11:21:12	11111111	1111111	1111111	111121	-11	1	1 - 2 1 - 1	1
t. Olave WH S. & L. t. Mary Magdalen W - S. t. James Bermondsey - S. otherhithe WH S. & K.	11956 16300 15669 54682 36024	7 22 11 44 18	11 4 8 15 6	1 2 2 4 8	3 4 1	11111		11711	11711	11111		1 -	1111	1	1	1 1 -	1 1	1
Taterloo-road 1st         H - L. & S.           Paterloo-road 2nd         H - L. & S.           ambeth Church 1st         H - L. & S.           s, ambeth Church 2nd         W W - L. & S.           ennington 1st         S. & L.           rixton swo         L. & S.           covwood         W L. & S.	15195 16361 19876 39859 45282 35882 62837 19017	9 18 10 21 33 9 85 18	2 7 19 13 20 7 11 1	1 3 6 4 5 3 3 -	- 26922	11111111	1	11111111	-	11111111	1111111	1	111/11111	1111	1 101 1 1 1 1 1	1 8 -	1 7 6 -	1 2 1 1 1
## Battersea	84675 82587 86380 28004 13235 25553	35 48 21 33 7 24	18 19 10 16 2 11	7 7 4 2 4	2 1 2 5 3	11111		1	1	2 1 - 3	111111			1 -	111111	2 -	8 3 1 1	111111
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5590 59104 71089 50810	48 89 42	25 21 16	- 4 8 4	7 2 2	1101	- 2 1	1111	1111			ī		8 1 -	2 2	2 4	14	1 -
Paul Deptford ww - K. Nicholas Deptford - K. Reenwich West H - K, Reenwich East WHH - K.	76752 7901 21972 24608	61 5 18 15	29 3 5 16	12 8 - 3	2 - 1 6	1111	8 - 2	1	1111	1 -	1 + 1	1111	1 1 1 4	8 - 1	1	2 -	2 - 8	2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	4 7 13 25	- 5 6 3	- - 1	5 1 1	1111		1111	7.1.1	1 1 1 1	1141	1111	1111		1111	1111	2 -	17171
hariton H K. [oolwich Dockyard K. [oolwich Arsenal HH K. lumstead, West H K. lumstead, East W K.	10980 17617 19048 14009 19241	8 14 10 8 17	5 8 6 2 12	2 - 2	1 2 3 6	1111	2	1111		n in in			1 1 1 1 1	1 1 1 1	1	111	- 6	1 1 1 1 1
stropolitan Asylum Hospitals: Dartford Winchmore Hill W	=	-		=	-		-	-	-	=======================================	-	-	-	-	-	-	-	-

Stepney Workhouse in Bromley sub-district.

Poplar & Stepney Siek Asylum
Westminster Bonney Siek Asylum
Strand and Johorn Workhouses outside Registration London.

St. Swend and Johorn Workhouses outside Registration London.

St. Swenditan Laylum District Hospitals in Fulcam. Hampstead, Hackney, Briton, and St. Paul, Deptford sub-districts, and in Darsford, Edmonton, and West Ham sub-districts outside Registration London.

Marylebone infirmary in Kensington Town sub-district.
Central London Sick Asylum in Tottennam Court-road sub-district.
Holborn infirmary in Upper Holloway sub-district.
Holborn Holloway sub-district.
Holborn Holloway sub-district.
Holborn Holloway sub-district.
Mile End Old Town Eastern sub-dist.
The Holloway sub-district.
Mile End Old Town Eastern sub-dist.
The Holloway sub-district.
The Holloway sub-district.
The Holloway sub-district.
The Holloway sub-district.

TABLE 6 .- LONDON .- OUTER RING. - Area; POPULATION: BIRTHS and DEATHS registered during

_	State State Congression	12.00°P-200-5444		Wee	k end	ing S	aturd	ay, 2	9th J	une,	1889	• .		٠,			1 00.
Regis-		Area			1	1			The I	DEATH	s regis	tered :	in the	Week	inelue	le	
tration		Acres,	Enume-	-		Den	ths of	T			Deatl	hs from	n			T	1
District and	REGISTRATION	ding	rated	838	H.S.	-	80 ds.	-	1	1	1	1 90	1	1	1		olio
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS.	DEATHS	under of Age.	aged upw			Fever,	1 2	100	1	1	1	Cases.	Public ons.
Num-		and	1881.	BI	ā	r of		-pox	. 80	t Fe	herie	ping	1.	1086.	106.		8 in
hers.		Fore-				Infants	Persons Years	Small-pox.	Measles.	Searlet	Diphtheria	Whooping-cough	Fever.	harrhose	Violence	Inquest	Deaths in
LON	DON-OUTER RING	370,924	950,957	764	334	89	83	-	5	6	5	5	3	8	15	26	40
80:1	Epsom (part of)* WwR	12228 9971	21118	13	10	2	8	ī	-	-	-	2	-		-	-	2
87:1	Godstone (part of) * -	2754	1235	2	2	2	-	1		_	-	-		-	-		-
38:1	Croydon WwHHL -	20851	101241	62	49	4	19		-		-	-	1	1	2	4	18
39:1	Mitcham w† Wimbledon HHH -	11697	17982	15	4	1	1		-	-	-	-	-	-	1	1	1
2	Kingston WHH	8220 8549	15950 36354	14 . 27	9	2 3	2 2	-	-	-		-	_	-	-	-	
3 4	Esher (part of) * - Hampton H	6601	9221	11:4	2	-	1	-	-	-	~	-	-	-		-	-
40:1	Richmond WH	4573 2272	13539 21302	11	4 5	2	1		1	-					1	1	1
2	Mortlake	2911	12331	10	8	8	1	-	1	-	-		H		-		-
	Bromley (pt. of) * HH Chishrst(pt.of)* WHH	15669 14807	81142 15844	14	4	-	1	-	-	-	-		-	-	1	1	1
	Bexley H ~	13437	24134	10	3 10	1	2 2	-							1	1 2	
	Dartford (Ww, pts. of)*	-	-	-	<b>1</b> -1	-	-	-	-	-	-	-	-	-	-	-	
- 1	Sunbury w Staines W	11055	11685 12089	9	2 5	1	1	-	-	-	-	-		1	-	2	- 2
125:1	Hillingdon WHH -	6029	10802	8	4	1	2	-		_	1	_			_	_	3
- 1	Uxbridge Hayes wHL	6178 14587	5225	4	1 4	-	1	-	-	-	-	-	-	-	-	-	-
	Isleworth WHH	7008	11523 22727	9 22	10	2	4		-			1	-		-		
	Twickenham H-	2477	12479	0	1	-	-	-	-	-		-	-	-	-	-	3
	Brentford HL Chiswick	1340	27649 15975	17	7 4	2	1	-	-	-	-	-	-	-	1	3	-
	Acton wH	6088	22876	10	10	2	2	-	1	-	1	-	-	-	1	2	
	Harrow $H$ Edgware $H$	13809 6994	12796 3749	6	2	-	1		-	1	-	-	-	-	-	-	-
8	Willesden	4383	27453	36	9	1 8	3	-	-	-	1		-		-	1	- 1
	Hendon W	8382	10484	13	4	1	1	-	-		-	-	1	-	-	-	-
	Watford (W, pt. of)	9831	6621	8	_	-	-	-	-	-	-	-	-	-	-	-	-
	South Mimms	15599	6391	5	4	-	2	-			-				1	1	
	Barnet	5433 4822	10092	8 11	8	1	2	-	-	-	-	-	-	-	-	-	-
	Hatdeld (part of) * -	8806	583	2	- 1	-	1		-	-		-	-	-	-	-	1
	Hornsey H	3039	37078	21	8	2	2	-		1			1				
	Tottenham H   Edmonton Ww ‡ -	4642 7483	46456 23468	67	14	5	3	-	-	-	1	-	-	-	-		-
4 1	Enfield WH	13653	19104	19	7	2	2	-	-		-		-	-	-	-	1
	Waltham Abbey Cheshunt	11017 8480	5368 7785	8 5	1 2	-	-	-	-	-	-		-	-	-	-	
186:1	Stratford	889	38606	25	3 16	1 9	1		-	-	-	-	-	2	-		
3 3	West Ham wwwwH5- Leyton WwL	7351 4372	101058	113	46	15	5	-	1	4	-	2	-	1	1	1 8	
4 1	Walthamstow H -	6520	82430 28869	36 41	16	3	7 2	-	-	-	-	-	-	1	-	-	6
	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9389	7	7	. 8	1				1	-	-	1	1	1	
	Romford (part of) * W	6730	3411	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2 1	Offord	8493	7645	5	4	9	1	-	-	-	-	-	-		-	-	-
3   1	Barking Town	41.27	9203	10	3	2	-	-	1	-	-	-	-	-	1 -	1	

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone sur Knockholt (pop. 1818); 41:2, Chisionurst sub-district, except the parish of Chelsfield (pop. 1818); 14:2, Chigwell sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw Mattiel also deaths in Workhouses belonging to the Outer Ring in 42.2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

ABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 29th June, 1889.

	Area			L RATE	-		The DE	ATHS	regi	stered	l in t	he W	eek i	nolud	e	
GREATER	in Acres,	Estimated		O living.	DEATHS	Deat	hs of			1	Death	s from	n			Public jons.
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
ATER LONDON	448,334	5,642,015	14.8	1.7	1599	404	365	-	38	16	18	32	12	65	54	354
UTER RING -	77,410 370,924	<b>4,351,738 1,290,277</b>	15°2 13°5	1°8 1°3	1265 334	315 89	282 83		33 5	10 6	13 5	27 5	9	57	39 15	314 40

TE.—The area of Greater London is 448,834 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 20.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,612,869 Persons.

	POPULATION				ANNUAL	DE	ATHS	FROM D	PRIN		ZYMO	
CITIMS.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive	DEATHS.	DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœal Diseases.
CUTTA	433,219	May 4		209	25.1	4	2		_		62	471
GBAY	773,196	June 4	290	481	27.5	8	16	9	9	p	190	26†
DRAS	398,777	April 26	305	372	48.5	2	67	9	9	2	65	58
:IS	2,260,945	June 22	1167	894	20.6	2	19	2	28*	15		
JESELS	471,606		283	166	18.3		10		20	19	11 2	86
8 Faubourgs.)	2,1,000	99 ZZ	200	200	100						2	21
STERDAM -	403,083	,, 22	249	152	19:8	1	3	-	1	. 3	1	-
TERDAM -	197,723	,, 22	126	121	31.7	-	30	100	-	44	-	-
B HAGUR -	153,440	,, 22	99	66	. 22*4		- `	-	-	1	1	-
BNHAGEN -	307,000	" 15	209	153	26.0	-	-	_	9	5	1	27
CKHOLM -	228,218	,, 15	149	91	20.7	-	_	2	4*	-	lu	22
BISTIANIA -	138,300	, 22	62	67	25.2	-	4	2	3	4	-	13
PETERSBURG	842,883	,, 15		516	31.9	1	6	6	4	7	18	66
RILE	1,470,582	,, 8	875	1112	38.9	-	5	1	18	10	2	383
MBURG(State)	575,276	, 15	423	235	21.3	- 100	1	1	9*	3	1	22
ESDEN	264,196	,, 15	146	112	22.0	?	1	-	-	-		27
RSLAU	315,000	,, 22	216	284	47.3	-	4	2	6*	1	-	99
MICH	281,000	15	224	183	33.9	-	8	2	13*	4		44
SNNA	811,434 "	15	576	359	23.0	-	8		-3	1	-	39
AGUE	304,356	. 15	214	150	25.7	5	-	1	10*		4	c: 7
DA-PESTH -	452,907	,, 15	328	251	28.8	-		3	6	2	5	42
IRSTR	158,084	, 15	-	52	17.1	-		-	2*	-	1	2
1XX	401,044	May 11	240	151	19.6	5	2	-1	2	1	7‡	4
'RIN (11 days)-	306,398	,, 31	-	-	-	-		- 1	i an	-		-
MICE	153,375	June . 8	97	83	28.2	6	3	-	-	-	-	9
JRO	374,838	,, 6		-	-	-	-	-	-	-	-	~
MEANDRIA -		19 6	-		-	-	-	-	-	-	-	-
IW YORK -	1,549,500	, 8	-	688	23.2	-	10	26	41	11	4	22
HOOKLYK .		8	-	322	20.4	-	2	8	16	4	1	14
CLADELPHIA -		,, 8	-	386	19'4	-	5	2	6	7	14	17
LITIMORE -		,, 8		134	14.0	-	- :	: 6	2	1	3	6
			11		11	4	_			_		

Including deaths from croup.
 Including 29 deaths from cholers in Calcutte, and 4 in Bombay.
 Including 4 deaths from malarial fever.

Table 9.—METEOROLOGICAL OBSERVATIONS taken at the Roxal Observatory, Greenwich, during the Week ending Saturday, 29th June, 1889.
[Under the Superintendence of the Astronomer Royal.]

	-																				
		Ozone.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	the sea; no	er, are ussion r, and sading	imum ne air duced Iygro-	raphic	" and	below i, and n the	The ; and	, show to the	.84 in.
Rain	in a	whose ecciving	5 inches above the Ground.	in. 0.00	0.03	00.0	00.0	00.0	00.0	0.00	80.00	98	of the se	rmomete m a disco aromete	une max ire of the y are de isher's I	photog	1875. "higher	Deptior	Electrometer.	trument applying	reek to 25 to 29.83
-		1,8.	Deparure from Average of 16 Years.	Miles.	-126	-139	- 91	-131	-192	-156	Sum -846	25	an level	bulb the uced from the total the tot	ungs or mperatu humidit by Glai	on of the	s ending	pro or tarket at instructi	ing Elect	hine Ins	g of the w
		Robinson's.	Horizontal Movement to of the Air on each Day.	Miles.	115	104	155	111	58	95	Sum 872	24.	re the mer	the wet tions ded ding 1873 With the c	thed mean of the regulities of the maximum daily value of the air use and degree of humidity are deduced bulb thermometers by Glaisher's Hygro-	discussind that o	e 16 years that + in	uspended at a depth of two feet be foreign Cattle Market at Deptford, i Market, under instructions from	derived from Thomson's self-registering sitive; N. negative; W. Weak; m. moder	kes Suns	beginning 26th; de
nometers		1	Mean Mol 24 o hourly obs.	lbs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	23	sea le	f correcters en	aily va and d	from 8	s for th	spende oreign Market	on's sel w. weal	bell-Sto are to	at the
m Anen		Pressure on the Square Foot.	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	22	s 159 fe duce to on; 3b	mometation of	rrected lean de grature ret bul	lerived	record orne ii	s are su the F f the	Thomse trive;	Camplach day	29.90 in
luced fro		Press	Great.	108.	0.0	0.0	9.0	0.0	0.0	1.0	:	21	meter i	application the two the two	the me the me temperature and w	that d	metric	Thame ties of Nerk o	from 7.	on the on e	from 94 by
Wind as deduced from Anemometers.	Osler's.	rection.	P.M.	NNE.	E.k ESE.	E. & ESE.	ENE. & E.	NE. & ESE.	ESE, & Calm.	N. & NNW.	& E.	20	of the baro the teading	r, the dry bu alues by the nade during ing 1868 for	is combined rs, forming by dew points of the dry	of the air is	of the anemo and 25 it we.	water of the Thames are sine of the jetties of the bed by the Clerk of the	7 is derived from Thomson's self-registering Electrometer.  positive; N. negative; w. weak; m. moderate; s. strong;	9, derived freight-sunship	to midnight ter decrease reased to 29
	The state of the s	General Direction.	A.M.	NNE. & N.	N. & NNE.	NE.	Calm & NE.	NE. & NNE.	Calm & ESE.	Calm & WSW.	NE.	19	The height of the cistern of the barometer is 159 feet above the mean level of correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 91. A.M.; 10001; 31. P.M.; and 91. P.M. The m	experendings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1886 for the hermometers. With the corrected mean reading	or the dry bulb thermometer is combined the corrected mean of the realurists of the maximum and minimum thermometers, forming the mean daily value of temperature of the air column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-	metrical Tables.  The average temperature of the air is that derived from a discussion of the photographic Pine average temperature of the 20 years ending 1868, and that of horizontal movement	the air from a discussion of In reading the columns 9 a "1000er," than the average.	The thermometers in the water of the Thanmes are suspendend at a depth of two teet below the surface, at the end of one of the jettles of the Foreign Cartie Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the	The record of Electricity symbols employed are: -P.	", variation of the common 29, derived from the Campbell-Stokes Sunshine Instrument, show The numbers in column 29, derived from the case duration of bright-sunshine on each day.  The results of all the meteorological observations are to be understood as applying to the	civil day, or from midnight to midnight. The reading of the barometer decreased from 29·90 in. at the beginning of the week to 29·33 in. by the safe, w. on the 28vd; increased to 29·35 in. by
-		Water hames ford.	Low-	0 :	:	:	:	:	:	:	:	18	ght of has be	ngs of t l into p stograp	y bulb t imum 8). Th	metrical Tables. The average to	from a ding th	ermom	emplo	mbers egate d	ading o
TEMPERATURE.	-	of the Water of the Thames at Deptford.	High-	0 :	:	:	:	:	:	:	:	17	The hei	e-readii nvertec the ph	and minimum (column 8). The from the mean	etrical The av	the air	The the surfa	The remporary	The numles the aggrega	The re
EMPER	-	Of Radiation.	Lowest on the Grass.	0.24	45.2	49.0	0.44	43.9	43.4	49.0	45.6	16	5 8					##			.5 5
T			High- est in Sun's Rays.	0 187.0	124.3	143.3	144.0	144.0	134.0	111.2	134.0	15		h varial night.	partially	fine after	lly.	evening;	, variable	afternoon; in evening.	
-	-	of Hu- midity	ration equals 100).	91				65	65	73	12	14	KS.	rds, wit	morning;	; very	generally.	dy till Warn	Warm	till	
TEM	Difference between	oint ure.	Least,	0.0				8.0	0.0	9.0	0.3	13	GENERAL REMARKS.	Overcast in morning; fine afterwards, with variable amounts of cloud till evening; cloudless at night.	n in m	Overcast and misty in morning; very fine after-wards, with little light cloud till evening; cloudless at night	fine warm day; cloudless	Very fine till afternoon; cloudy till cloudless and very line afterwards. Warm	Very fine. Cloudless till afternoon; var amounts ot light cloud afterwards. Warm day.	dense haze few drops of	ono.
I	ir Temp	nd Dew Poin Temperature.	Great.	0 16.7				25.6			20.8	12	RAL R	g; fine	slight rain fterwards.	ty in n	day; cl	fternoon ine afte	Cloudless (	with der	afterno
			Mean daily value.	7.7	-			12.5			8.6	11	ENE	mornir loud till	with slight rai	nd mist little lig	e warm	till a	. Clou	rally w	nder in
1		(f the Dew Joint.	re ifean laily ge talue.	0.65			8.92	7.72			2.3 54.3	10		ncast in	Overcast w	sreast a	very fine	ry fine	ry fine.	Fine generally with dense cloudy afterwards. A few dro	ant thu
TRE	IND.		parture from Average of	-	1	+	+ +	+ 4.9	+		+ 29	6	43	Ove	Cloud	Ward et nie	A	Ve	Ve	Fir	
TEMPERATIE	ENAIG	Air.	Mean daily e. value.	, , , , , ,				6.99			64.1	00	in abov. forizon, n hours.	16.6	9.91	9.91	16.2	16.2	16.2	16.5	Sum 115.8
TEMI	I EMI	Of the Air	. Daily Range.	0.16			3 %				25.1	1	Registered Sun above Sunshine, Horizon, in hours.	8.4	4.2	0.6	13.1	0.11	11.1	9.0	Sum 54.1
1			li- Low-	9 70.2							1 52.1	9	Regis Sunsi	4	4	6	13	F	11		02.0
-	H.	18	d to to est.	0 0 0							6 77.1	10	Tr. ion of (ote.)				sction				
BAR	METER.	Meai daily readin	rected and reduced to 320 Fahren-	in.	200 62	20.00	29.910				29.899	4	ELECTRICITY. (For explanation of symbols, see Note.)				The electrometer was not in action throughout the week.				
		Phases	of the Moon.		:	:	: :	Anogee.	New.	Dec. N.	:	00	(For e				The throng				
		9	AND		23 23	\$7 G	07 98	10	-		1.			23	. 24	- 25	¥ 26	. 27		. 29	
		1889.	Monte and Day.	JUNE	SUN.	MON.	WED.	- CARTE	THUBE:	SAT.	MEANS	No. of Col.	DATE.	STATE	Monnay	TUESDAY	WEDNESDAY	TRUBEDAT	FRIDAT	SATURDAY	i

OFFICIAL COPY.

# WEEKLY RETURN

#### LONDON DEATHS IN BIRTHS AND

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 27. 1889. Vol. L.]

WEEK ENDING SATURDAY, JULY 6.

Price 13d.

General Register Office, Somerset House, 8th July, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.7 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending				,	Weeks	ending	
Towns.	June 15.	June 22.	June 29.	July 6.	Towns.		June 15.	June 22.	June 29.	July 6.
Derby - Halifax - Huddersfield Hull -	13·5 20·7 15·9 16·4 11·1 16·4 17·6 14·3 20·6 19·1 19·6	16·6 15·5 22·3 15·8 9·9 14·8 18·1 10·6 25·1 15·7 25·3	22·4 19·6 16·4 13·7 13·0 18·5 15·9 22·5 14·6 22·1	14·3 15·1 15·0 19·1 11·6 15·5 19·4 13·8 18·0 17·4 20·1	Portsmouth Preston - Salford* - Sheffield -	e*	15·0 26·3 20·4 13·3 12·7 17·6 20·0 14·4 33·0 15·1 17·9	16·9 14·9 27·1 23·0 16·6 11·2 13·9 20·7 14·0 26·0 20·3 17·7 18·3	15·2 25·9 21·4 14·9 17·6 18·0 16·3 23·5 20·3 16·9	16·2 25·3 29·2 19·9 11·2 12·1 20·0 15·9 29·0 24·9 18·0
Leeds - Leicester* -			22.6	26.9	3 1	-		$\begin{vmatrix} 16 & 3 \\ 15 \cdot 2 \end{vmatrix}$		

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.3 in Wolverhampton, 1.5 in Hull, 1.7 in Manchester, 1.8 in Bolton, 1.9 in Halifax, and 2.5 in Preston; from scarlet fever, 1.3 in Salford, and 4.0 in Plymouth; from whooping-cough, 1.4 in Cardiff, 1.5 in Oldham, and 1.6 in Newcastle-upon-Tyne; and from diarrhæa, 2.1 in Birmingham and in Sheffield, 2.2 in Manchester, 2.6 in Liverpool, 2.7 in Sunderland, 2.9 in Bradford, 4.1 in Birkenhead, 4.9 in Salford, 5.0 in Leeds and in Preston, and 5.9 in Leicester. The death-rate from "fever" did not reach 1.0 in any of the twenty-eight towns. The 58 deaths from diphtheria in the twenty-eight towns included 38 in London, 4 in Manchester, 3 in Salford, 3 in Birmingham, 2 in Bristol, 2 in Bradford, and 2 in Newcastle-upon-Tyne. Small-pox caused no death in any of the twenty-eight great towns.

LONDON.

Allowing for In London 2507 BIRTHS and 1350 DEATHS were registered. increase of population, the births were 150, and the deaths 200, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 14.9 and 15.2 in the two preceding weeks, further rose last week to 16.2. During the thirteen weeks of last quarter the death-rate averaged 16.0 per 1000, and was 3.3 below the mean rate in the

corresponding periods of the ten years 1879-88.

The 1350 deaths included 31 from measles, 9 from scarlet fever, 38 from diphtheria, 32 from whooping-cough, 8 from enteric fever, 155 from diarrhœa

The ropulation of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

and dysentery, 5 from cholera and choleraic diarrhea; and not one from small-pox, typhus, or ill-defined forms of continued fever; thus, 278 deaths were referred

to these diseases, being 30 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 15; and no small-pox patient was under treatment during the week in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had been 23 and 33 in the two preceding weeks, were last week 31, being but half the corrected average; 3 belonged to Fulham, 5 to Islington, 3 to White-chapel, and 4 to Greenwich sanitary areas. The 9 fatal cases of scarlet fever showed a further decline from recent weekly numbers, and were 23 below the corrected average; 2 belonged to Mile End Old Town and 2 to Wandsworth sanitary areas. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 576 searlet fever patients, against 559 and 569 on the two preceding Saturdays; 73 cases were admitted to these hospitals during the week, against 33, 44, and 64 in the three preceding weeks. The deaths from diphtheria, which had declined in the four previous weeks from 34 to 13, rose last week to 38, and exceeded the corrected average by 23; 3 belonged to Kensington, 2 to Pancras, 2 to Hackney, 3 to Shoreditch, 3 to Bethnal Green, 2 to White-chapel, 3 to Poplar (including 2 hospital cases admitted from 207, St. Leonards Road), 2 to Lambeth, 2 to Wandsworth, 2 to Camberwell, and 2 to Plumstead sanitary The 32 fatal cases of whooping-cough showed an increase upon the low number in each of the two previous weeks, but were 19 below the corrected average. The deaths attributed to diarrhaa and dysentery, which had increased in the six preceding weeks from 13 to 57, further rose last week to 155, and exceeded the corrected average by 42; 124 were of infants aged under one year, 23 of children aged from one to five years, and 8 of persons aged upwards of 60 years. deaths of 5 infants and young children were referred to infantile cholera, choleraic diarrhœa, and English cholera.

The deaths referred to enteric fever, which had been 7 and 8 in the two preceding weeks, were again 8 last week, and were 5 below the corrected average. The Metropolitan Asylum Hospitals contained 22 cases of enteric fever, and not one of typhus on Saturday last; 2 cases of enteric fever were admitted during the

week, against 5 in each of the two previous weeks.

The deaths referred to diseases of the respiratory organs, which had been 171 and 169 in the preceding two weeks, further declined last week to 143, and were 65

below the corrected average.

Different forms of violence caused 51 deaths; 45 were the result of negligence or accident, among which were 20 from fractures and contusions, 10 from drowning, and 7 of infants under one year of age from suffocation. The 20 deaths from fractures and contusions were thus caused:—4 by accidents from vehicles in the streets; 1 by accident on railway; 1 by fall from bicycle; 1 by kick from horse; 1 by fall from ladder; 1 by fall from window; 1 by fall from tree; 1 by fall down steps; 2 by fall in street; 1 by fall in passage; 1 by fall in workhouse; 1 by fall in room; 1 by fall from flat; 1 by fall of timber; 1 by kick during street brawl; and 1 by injuries from lift. An inquest was held in each of these 20 cases. Six cases of suicide were registered, being 4 below the corrected average.

cases of suicide were registered, being 4 below the corrected average.

The death of a carpenter, on 2nd instant, in Camberwell, aged 38 years, was referred to heat apoplexy; and the death of an ostler, in Clapham, resulted from

farcy.

### GREATER LONDON.

In Greater London 3269 births and 1648 deaths were registered, corresponding to annual rates of 30·2 and 15·2 per 1000 of the estimated population. In the Outer Ring 17 deaths from diarrhea, 6 from whooping-cough, and 5 from diphtheria were registered. The fatal cases of diarrhea included 3 in Willesden and 3 in Tottenham sub-districts; and of the deaths from diphtheria, 2 occurred in Brentford and 2 in Walthamstow sub-districts.

## METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30.05 ins.; the highest reading was 30.22 ins. on Monday evening, and the lowest 29.70 ins. at the end of the week. The mean temperature of the air was 63.3, and 1.7 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Tuesday and Wednesday, whereas it exceeded the average on each of the other days of the week. The general direction of the wind was N.E., and the horizontal movement of the air averaged 8.3 miles per hour, which was 2.1 miles below the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine in the week was 51.3 hours, against 56.1 hours at Glynde Place, Lewes.

. See note on first page of this Beturn.

TABLE I .- BINTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 6th July, 1889.

_		-				=																					-			
	CITIES	AND BOROUGHS.		Cols.	- 28 TOWNS.	LONDOM.	BRIGHTON. FORTSMOHEN	Norwich.	PLYMOUTH.	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	DEPENDENCE IN THE PROPERTY.	BIRKENHEAD.	LIVERPOOL.	ROLTON.	MANCHESTER.	SALFORD.	BLACKBURN.	PRESTON.	HUDDERSFIELD. HALIPAX.	BRADFORD.	LEEDS.	SHEFFIELD.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGH.	GLABGOW.	DUBLIN.
	Aut.	Centi-	uI	24.	0.03	00.0	00.0	1	100.0	00.0	1	1	00.0	1 1	0.13	1	1	. 1	•	ı	1 3	00.0	1	1000	01.0	0.03	1	0.00	00.0	0.02
DATA	PAINFALL	Тпорез.	ul	23.	10.0	00.0	00.0	1	1.00	00.0	1	1	00.0	1 1	0.02	1	1	1 1	,	1	1 1	0.00	1	1 30	0.04	10.0	1	00.0	00.0	0.05
AIR.	l e	-sbargid	Cent	22.	15.28	17.39	19.91	1	12.99	14.39	1	1	15.20	1 1	12.11	1	1	1 1	1	1	1 1	15.94	1	1 00	12.39	09.9	1	15.28	90.91	14.22
FTHE	Mean.	-tiedner	Fab	21.	59.5 1	-	61.9	1	- L		1	-	59.9 1	1 1	59.5	1	1	1 1	1	1	1 ,1	60.7	1	-	54.3 1		ı	59.5 1	1 6.09	1 9.19
TURE	-3	LOWER	eit.	20.	45.0 5		9.89	1	1 8.89					1 1	0.12	-	1	1 1		1	1 1	53.4	1	1 0		20.00	1	45.5		
TEMPERATURE OF THE AIR.	-	Highe	Fahrenheit	-	.2 45																1 1	-			-		1	1 4400	72.5 48	72.0 42
	1	e. 6-12.	Col	19.	8 81		0 42.0	67 0	0 - 0		7		74.8	9	8 72.8		9	2 00	00	0		5 72.0	7.3	8.40	4.3 70.0	4.0 74	;	1.8 71.7	4.5 72	1.5 72
Annual Rate per 1006,	to the Week's Deaths	mori ni sasaa	H	18.	3	_	0.8		0.9 0.9			0.0				0 4.1						1 5.5					2.5		-	
Ann		IIA mo	Fr	17.	17.	16.5	9.11	19.9	20.0	15.	14.3	20.2	11.2	8.61	17.8	12.0	25.3	24.9	19.1	0.63	17.4	1.61	6.97	18.0	1.02	29.5	19.4	\$ 17.4	25.8	37
	P	offiteent offices	1	16.	18	23	1 1	i	1 67	1	4	1 1	- 1	1	14	1	4	4 1		-	1 1	63	33	1 -1	- 1	67	1	17	25	12
	· gt	Deaths in Public Public Incidudition	I	15.	501	280	4 21	4 (	14 2	4	21	20 0	0 4	F 61	27	¢3	32	7	1	1	13 4	6	19		0 15	13	10	26	37	52
	"go	aaO dasup	al	14.	214	96	1 m	03	H 00	-	6	00 4	ল ও	9 9	6	63	=	70 4	1 10	1	H 63	9	10	<b>c3</b> (	24 70	5	9	04	٥.	10
nde		olenee	Al	13.	130	51	N 00	03 1	H 70	1	13	20 0	9 1	00	00	63	13	-4 0.	1 00	1		10	\$1	67 1	- oc	00	70	9	10	9
The DEATES registered in the Week include		strh 688.	nia	12.	377	155	N 44	67	00	1	18	17	9 3	1 00	30	H	16	22		10	၈၁ I	13	34	13	7 17	4	6.1	4	13	89
he We		.Tor	E.c.	11.	32	00 9	भ का	1 1	н 1	1	1		۱ ا	-	ಣ	-		n 1	ı	1	1 1	1	9	-	1 1	-	1	1	-	21
ed in t	from	hooping-	o IAL	10.	81	32	- 07	1	1 1	1	ಣ	-	1 -	4 67	4	-	ಣ	01 4	1	67	1 &	10	1	70 0	20 01	10	ಿ	7	18	1
egister	Deaths from	.sirədidq	Di	8	58	88	1 \$	1	Н 6	3 1	0	1	1	1 1	H	=	4	00	1	1	1 3	61	1	Н	1 1	67	1	4	7	1
ATES T		rlet.	Res	00	55	6	1 1	1 1	. es	7	4	1 -		- 1	2	-	10	9 1	H	-	- 1	_	4	9	1 1	1	1	1	1	Н
he DE.		.aolas.	Me	2	26	31	1 12	ଟୀ	1 1	61	4	-	-	1 1	-	4	12		7	20	03 00	4	9	4	(P) (C)	60	1	1	13	e3
H		.xoq-lisi	ms	9	1	1	1 1	1	1 1	ě		1	1	1 1	1	1	1	1	1 1	1	1 - 1	1	1	1 -	1 1	1	1	1	1	ı
	g of	sons aged Mears Strawqu	Per 60	6.	546	683	b 6	12	16	2 00	19	11	12	3 8	27	13	29	18	20	10	10	13	24	13	10	14	7	19	28	53
	Deaths of	nts under Year of Age.	I	4	1026	429	ŭ 4	1	00 10	9	40	28	100	20 01	71	10	40	45	0 60	25	2 00	61	29	41	18	23	12	87	6.3	23
during	nding 1889.			**	3249	1350	43	98	0 0 0 0 0 0 0	25	125	62	10	0, 65	202	33	184	112	35	28	E 83	900	184	113	54	90	42	68	261	154
Registered during	the Week ending 6th July, 1889.	BIRTES, DEATES.		0;	5576	2507	7.6	64	8, 80	27	2/2	87	111	56	297	4.	262	118	9,	82	26	131	215	233	96	129	69	154	423	192
B	Z .			1.	9,555,406	4,351,738	121,807	94,510	78,225	82,544	454,835	150,520	237,812	102,541	606,562	114,670	878,800	234,283	121,275	104,194	92,825	235,056	357,449	827,227	184,198	160,988	112,712	266,900	528,144	353,082
-	N.		-	lB.						N.	٠				•		•		•	•		•					•		•	-
	CITIES	AND BORUTGHS.		Cols.	28 TOWNS	LONDON -	BRIGHTON -	NORWICH .	PLYMOUTH .	WOLVERHAMPTON	BIRMINGHAM	LEICESTER .	NOTTINGHAM	DERBY	LIVERPOOL .	LOLTON -	MANCHESTER	SALFORD*	BLACKBURN .	PRESTON -	HUDDERSFIELD HALIFAX	BRADFORD	LEEDS	SHEFFIELD .	BLANI	NEWCASTLE*	CARDIFF.	EDINBURGH -	GLABGOW -	OUBLIK .

Table 2. LONDON.—Births and Deaths Registered in the Twenty-seventh Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males  Females .	2319	2510	2403	2443	2478	2458	2420	2458	2562	2348	2661·2	2507
	1172	1268	1216	1244	1284	1262	1199	1208	1265	1206	1343·9	1285
	1147	1242	1192	1199	1194	1196	1221	1250	1297	1142	1317·3	1222
Total Deaths Males Females .	1208	1326	1585	1293	1521	1508	1412	1540	1610	1211	1550°0	1350
	624	679	809	688	774	773	756	812	866	627	807°8	729
	584	647	776	605	747	735	656	728	744	534	742°2	630

The numbers in this column are the average weekly numbers in the twenty-seventh weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	E 3. LUNDON.			,			7016012	001 1	II the	43000	7 11116	IBUN	WEE	IKI9+
		Apr. 13.	Apr. 20.	Apr. 27.	May 4.	May 11.	May 18.	May 25.	June 1.	June 8.	June 15.	June 22.	June 29.	July 6.
TOTAL	Births	2509	2488	2522	2712	2565	2648	2402	2405	2523	2396	2636	2467	2507
TOTAL	Deaths	1493	1426	1462	1386	1295	1231	1267	1151	1306	1247	1243	1265	1350
Ages at Death	0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - at 80 years & upwds	671 183 266 310 63	670 174 214 299 69	708 171 256 264 63	626 184 266 258 52	577 175 251 245 47	571 169 205 232 54	608 152 221 224 62	506 148 209 237 51	601 186 245 234 40	564 173 227 236 47	575 180 218 225 45	572 179 232 229 53	722 168 221 205 34
27	Under 1 year - 1-5 5-20	322 251 98	299 279 92	361 273 74	309 246 71	287 218 72	267 225 79	301 222 85	242 181 83	306 205 90	293 184 87	281 203 91	315 189 68	429 208 85
97	om Small-pox , Measles - , Scarlet fever , Diphtheria -	72 13 36	70 10 22	65 9 29	68 15 21	60 10 23	53 7 24	47 16 21	31 4 16	39 12 34	32 11 26	23 17 27	33 10 13	31 9 38
99 91 91	" Whooping-cough " Typhus " Enteric fever - " SimpleContafever " Diarrhœa and)	1	51 -6 -	56 - 3 1	55 - 5 2	37 - 5 4	36 7 1	48 - 5 1	9 -	26 3 4	37 - 8 2	27	27 - 8 1	32
	Dysentery -}	11	10	18	12	10	14	13	14	19	34	40	57	155
"	" all the above- mentioned Diseases	187	169	181	178	149	142	152	123	138	150	141	149	278
"	,, Dis. of Respira- tory System }	294	300	305	242	213	217	177	162	205	169	171	169	143
	,, Phthisis Dis. of Circula-	152	128 98	164 119	143	125 134	137 97	148	144	174	162	155	137	138 94
Violent D Inquest C Deaths in		68 130 325	57 111 315	69 116 331	55 107 315	66 125 310	51 85 311	48 89 342	55 104 290	58 91 323	48 109 290	53 105 324	39 90 314	51 90 280
Mean o	of Highest readings -	43·5 50·4 38·6	46.5 55.3 39.8	47.5 57.8 39.1	50.8 61.9 41.5	57·7 67·9 49·1	54·0 64·5 46·7	61·9 75·1 50 8	55·7 64·9 48·0	64·3 77·2 53·4	64.0	59·6 72·4 49·7	64·1 77·1 52·1	63·3 74·6 53·7
	of the Air	\$0 0.56	84	80	79	77	85	77	82	73	89	76	71	71
Rain-fall Registere	d Sunshine (in hours)	8.6	0·10 12·5	31.3	39.8	37.5	0·19 27·7	0·51 49·1	1.33	0·31 50·1			1	0·00 51·3

# METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., Ll.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Sunpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Erown, Esq. and B. A. Whitelegge, Esq., M.D., Nottling-F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., M.R.C.S., Preston; J. Mci.andsborough, Esq., Songerland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Twenty-seventh Week of the Year 1889.

			7	WEI	111-2	SEV.	ENI	H V	v ee	k of the Year 1889.									
-	for the years		In Satu	the 'rday,	Week 6th J	endi July	ing 1889.	,			Averages for the lowers 1879-88.*			the					
	es for		De		of Per		s of				68 fo		De	aths th	of Pe		s of		
	Averages for the 10 y 1879-88.		U	nder	1:	40.	60.	80.1		CAUSES OF DEATH.	rerag of the 9-88.		U	nder	T	0.	60°	30.	
CAUSES OF DEATH.	eks c	E8.		20.		under	under	under 80		OHODES OF BEHAVIOR	eeks	E.S.	-,	20.	_	under	under	under 30	١
	Corrected 27th Week	AG.					and u	and un	upwards		Corrected 27th Weel	AGES.				sud u	and u	and u	apanam.
	Cor.	ALL	0-1	1-10	5-2	20.8	40 a	\$ 000 X	n		Cor	ALL	0-1.	1-5.	5-20.	95	40 a	8 3	
ALL CAUSES	1550.0	1350	429	208	85 1	.68	221	205 8	34	Diseases of Organs of \ Special Sense † \}	2.1	5	1	1	1	2	-	-	-
Small- Vaccinated; -	<b>}</b>	-	-	-	- +	-	-	-											
pox Unvaccinated No Statement	}14·8'	-	-	-	-	-	-	-	-	Diseases of Circulatory } System }	93.5	94	3	2	10	17	28	29	5
Measles	63.3	31	9	22	-	- 1	-	-	-	Croup	9.8	8	1	5	2	-	-	-	-
Searlet Fever	31.7	. 9	1	6	2	- 1				Bronchitis Pneumonia	107 5 65 9	65 55	24 10	10 20	2 2	5	9 6	19 10	2
Typhus	0.0							-		Pleurisy Other Diseases of Respi-)	4.9	2		-	-	-	1	-	1
Relapsing Fever +	0.0	-	-	-	-	- !	-	-	-	ratory System	19.6	13	1	. 5	-	3	1	3	-
Whooping-cough	80.8	33	16	16	-	-	-	-	-	Dantition 4	74:0	10		-		_	-	-	-1
Diphtheria	15.3	38	-	20	14	2	2	-	-	Dentition † Quinsy, Sore Throat † - Enteritis	14.9	13	9 -	1	1	ī	-	-	-
Simple Continued and \ Ill-defined Fever -}	1.3	-		-	-	-	-	-	-	Peritonitis	11.8	11	7	2	5	1	1 2	1 2	-
Enterie Fever	18.2	8	-	1	2	3	2	-	-	Diseases of Liver Other Diseases of l	35.8	28	3	1 4	1	3	10	10	1
Cholera	5.0	8	3	2	-	-	-	-	-	Digestive System -}	29.9	32	7		1	8	8	9	1
Diarrhes, Dysentery -	113.3	155	124	23	-	-	-	5	8	71			-		-		-		
Remittent Fevert	0.0	1		1		- 1			-	Diseases of Lymphatic ) System & of Ductless }	1.8	3	-	-	1	1	-	1	-
Hydrophobia	0.0	1	-		-	_	1		-	Glands †)									
Cowpox and Effects of )	0.0	-	-		_				-1	Diseases of Urinary				-		-	13	13	
Vaccination † 5	10.3	8	1 4	1						System}	85.2	31	-	1	1	3	13	13	
Venereal Affections - Erysipelas	4.6	2	1	-		1	1		-			,	-		a				
Pyzmia and Septiczmia	3.0	1	1	-	-	-	-	-	-	Diseases of Generative	5.7	12	1	-	-	6	5		-
Puerperal Fever	5.3	4	-		-	3	1	-	-	Accidents of Childbirth -	8.9	7	-	-	-	7	-		
Other Zymotie Diseases	1.8	2	1-	-	-	1	1	_	_	Discount of Taxable 1									
Thrush	2.9		1 -	-	-		_	_		Diseases of Locomotive	6.4	9	-	-	2	3	2	2	70
Worms and other Para-			١.																
sitical Diseases		1					-		_	Diseases of Integumen-	5.3	7	2	-	-	-	1	1	3
Starvation, Want of	3.07	1	1																
Breast-milk †	5.6	1 13		-	-			-	-	VIOLENT DEATHS.									
Alcoholism	- 00	13		-	-	6	6	1	-	(Accident.)									
Rheumatic Fever		2	-	-	1	-	1	_	_	Fracture and Contusion Gunshot Wound -	20.7	20	-	4	3	4 -	4	5	-
Rheumatism of Heart	2.6	1	-				_	1	-	Cut, Stab Burn and Scald	1 U.T	l ī	-	-	-	-	-	1	-
Gout	1.9	4	-	-	-		1	3		Poison	1'8	10	-	1 =	3	4	1 3	1 -	-
Rickets †	5.3	4	2	2	-	-	-	-	-	Drowning Suffication	9.4	11	7		-	2	2	-	-
Cancer	53.3	58	1	3	1	6	27	20	1	Otherwise	4.2	2	1	1	-	1			-
Tabes Mesenterica - Tubercular Meningitis -	29.0	87 25	25		.1	-	-	-	-				1			1			
Phthisis	160.9	123	1		12	60	43	6		(HOMICIDE.) Murder & Manslaughter	1.7		-		_	-		_	-
Scrofula, Tuberculosis -		12			1	1	-	-	-	Tantage of Managenerical		-	-!-	-	-	-	-	-	-
Other Constitutional Diseases †	. 1	16	2	1		-	7	4	-	(SUICIDE.)									
						-	-	-	-	Gunshot Wound - Cut, Stab	1.0	1 3	-	-	-	1	1	1	-
Premature Birth -	- 82°3	28	-	3 -	-	-	-	-	7	Poison	2.0	-	1		-	-	-	-	1 =
Ateleotasis +	- 2.9	4	1	1	-	-	-	-	-	Drowning :	2.4	1	1 -	:   :	-	-	. 1	-	-
Congenital Malforma- tions	3.1	7	1	3 -	-	1	-	-	-	Otherwise	1.0	-	1 -	-	-	1	-	-	
011	- 47.1	32		-	-	-	-	17	15					+		1			1 2
Apoplexy	- 41.1	38				7	13	19	-	(EXECUTION.) Hanging	- 0.0	-	١.					-	1
Epilepsy	- 7.1	8	_		. 1	3	2	2	-		-	-	- -		-	-	-		-
Convulsions	- 85.2	66	6	0	1	-	-	-	-	OTHER CAUSES † -	- 65.6	52	- 4	5 4				2	1
Other Diseases of Brain and Nervous System	92.8	63	1	1 1	5	4	10	18	1	OTHER CAUSES 7 -	- 60.0	52	1					-	
• The numbers in thi		-	-		-	1	-	1	1	1						-	-		-

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9.048 per cent. for increase of population.

As the ten years average could not be correctly ascertained, the average for the seven years 1882-8 has been used.

Those cases of small-pox only are returned as "avectained" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered titioner, the case is returned under the heading "no statement."

The evidence at inquest is often insufficient to enable, the Coroner to certify whether a violent death be the result of accident, murder, islaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CALSES, and from Swall-Fox, Measles, Scarler during the Week ending

					_	-	The	DRAT	ras r	egiste	rad i		Wee		ude			
				Deat	hs of					Denth					1		_	
REGISTRATION	rated	25		-	90 v dv	1	1			ugn.		(or ) Fever.	ı.				Publie ns.	Causes
SUB-DISTRICTS.	Fopu-	BIRTH	DEATH	of Age.	aged a upw	0X.		Fever	TIA.	hooping-sougi		(Or	con-	000.	30.	Case	in l	ath.
	1881	Total E	Total I	Infants Year o	Persons Years	Small-pox.	Messics	Searlet	Diphtheria	hoopi	Typhus	Enterie (o	Simple e	Dierrhos	Violense	Inquest	Deaths in Pu	Uncertailed of Death.
Confidenciates angulation - Agreem agreementation designational graphs of a palasine allowable to a reference of a second designation of the agreement of the a		-		In	-Fe	20	-	20	0		-	<u> </u>	202		-	-		
rondon	3,815,701	2507	1350	429	239	-	31	9	38	32	-	8	-	25	51	90	280	23
West Districts	905,947	435 564	229 284	80 84	87	-	6	1 4	6 12	8	-	2	-	27	10 2	15	50 57	4
CENTRAL DISTRICTS	282,288 692,738	135 492	96 265	29 89	13 35		4	2	8	2 4	-	1	-	12 40	12	20	36 58	3
SOUTH DISTRICTS - FOS-)	1,265,148	891	476	147	90		14	2	11	11	-	2	-	51	23	35	79	15
LONDON	-		-	-	-		-	-	-	-	-	-					-	
St. Mary Paddington WHH G.J. a.W.M.	69888 87880	52 23	28 14	9 3	10	, <u></u>	-	-	-	1	-	=	-	*4	1	2	7 4	=
St. John Paddington H - G.J.  Kensington Town Wie - W.M.  Brompton H - W.M. & C.	190141	60 19	32 12	9 2	8	2	-	:	2	-	-	1 -	-	4	-	3	3	E
St. Peter Hammersmith - W.M. & G.J.	7 599	3 51 65	19 26	1 6 12	3 1	:	3	- 1	- 2	i	-	=	-	1 2 5	1	1 2	1 7	E
Chelsea North-west WHIIHHH. C.	0396 24925	17 23	13 13	8 5 5	2 3	=	-	=	-	1	-	-		3 1	1	1	5	E
May Fair WW G.J.	32807 80353	22 8	6	1	1 2	-	ī	-	-	-	-	-	-	-	-	-	3 4	1
Belgrave WHHR- St. John Westminster HHR - C. St. Margaret Westminster H - C.	59220 35496 24679	26 13	16 7 16	2	-	-	=	-	-	-	-	1	1:	1 2	-	ī	5	1
St. James Westminster WHH N.R. &G.J. St. Anne Soho HHHHHHHH - N.R.	29941	15 7	12 6	4 4	1 -	=	ī	-	1 -	1 -	-	-	-	1	-	-	1	-
NORTH DISTRICTS.	26759	14	11	3	1	-	-	-	-	1	-	-		-	1	1	7	-
All Souls Marylebone Hill - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone HII - W.M. Christohuroh Marylebone HII - W.M.	14991 24809 21118	8 23	6 5	3 2	1 2	=	-	-	-	1 -	-	1		-	-	-	=	
St. John mai ficomo		23	10	3 1	1 3	1	-	-	- 1	-	1	-		2	1	1	5	-
Regent's Park Paneras H W.M.	. 1 20115	20 20 12	5 12	2 4	1 2	-	5	1 -	- 1	-	-	-		-	-	1	5	-
Regente Fark I alteraction of the Control of the Co	30247 84369	19	23 11	9	5 2 2	-		-	-	1	-	-	=	8	- 2	- 3	6 1 5	-
Camden Town WH N.R Kentish Town W N.R Upper Holloway WWWH N.R	87487	61 46	19 33	9	10	=	1	-	1	1	-	1 =	-	2 2	8	3	15	-
Islington South-west HH - N.R. Islington South-east - N.R.	100976 61895	65 48 25	30 12 14	17 1 6	1 2	:	4	-	2	1	-	1	13	9	-	-	1 -	
Highbury H N.R. Stoke Newington H N.R. Stamford Hill E.L.	22781 9277	20	8 9	-	1 1	-	1 -	1	1	-	-	-	-	-	1	2	-	
West Hackney II N.R. Hackney WwwwH - E.L.&N.J	37610 3. 76911	23 55 84	8 35 15	3 4	10 6	-	1.1.1	2	6	1	-	- 1	-	1	-	i	11	111
South Hackney E.L. CENTRAL DISTRICTS. St. George Bloomsbury N.R.		8	4		-				1	1 1			1				-	
St. Giles South WH N.R St. Giles North N.R	. 14864 . 13837	3 5	6	1	1 -	2-	-	-	-	-	-	-	:	ī	-	-	5	
St. Martin-in-the-Fields HH N.R. & C St. Mary-le-Strand H N.R St. Clement Danes H N.R	. 7515 8559		10 1 5	2	2 -	-		-	:	-	1	-	1:	1	-	2	1 4	1
Strand Union Workhouse, Edmonton w.	18671	7	1 4	1	1	-	-	-	-	-	-	-	-	-	-	1 -	1 2	-
St. Andrew Eastern W - N.R. Saffron Hill H - N.R. St. James Clerkenwell - N.R.	6583	5 8	3 1 7	6	1	-	1 -	-	-	-	-	-	-	5	-	-	1	-
Amwell Clerkenwell - N.R. Pentonville N.R. Goswell-aireet N.R.	19281	13 9 15	6 3 3	1 2	-	-	-	-		1 -	-	-	-	1	-	-	-	1
One-street H N.H. City-road HHL N.H. Whiteeross-street K.H.	. 18628	19	7 3	2 4 2	1	-	1 -	-	-	-	-	-	-	1 -	=	1		-
Holborn Union Workhouse, Mitcham w	7468	4	1	1 -	ī	-	-	-	-	-		-	-	1	-	-	ī	-
St. Botolph H N.B. & E. Cripplegate N. I. St. Sepulchre H N. I.	2. 7193	1 2	18	-	2 -	-	1 . ,	1 1	, -		-	1	-	-	ī	- 9	18	
St. Bride W N.I Allballows Barking N.I Broad Street H N.I	i. 8396	3	8		ī	1 2		-		-	-	100		-	1	1	-	-
2.040 01001 2	700	_	1 1	1	- 1	1		1 -	-		-	1 -	1 -	1 -	-	1 -		

Note.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Work-house K-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving inmates from other Districts than that in which it stands see note at the foot of next page. The Roman capitals signify the Wester Companies which supply the different sub-districts:—G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East Loudon; and K. the Kent Company.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sue-district

irday, the 6th July, 1889.										_					_	-		
							The	DEA	THS T	ogiste	red in	a the	Weel	k incl	ude"			
	Enume-			Deat		~			1	Death	s from	-					lie	80
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHE.	Total DEATHS.	Intants under 1 Year of Age.	Persons aged 60 Years at upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enterie (or 'Typhoid) Fever.	Simple con- tinued Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Publi	Uncertified Causes of Death.
EAST DISTRICTS.  lywell Shoreditch - N.R. & E.L. Leonard Shoreditch + HL* - N.R. xton New Town * - N.R. xton Old Town N.R. sgerston WH N.R. & E.L.	7376 14967 29937 28036 46275	1 8 25 16 28	1 8 10 10 20	2 2 2 7	1 2 4 2	11111	11111	11111	1	1 -	11111	1111	11111	1 1 5	11111	- 1	001001	1
ekney-road H - E.L. een, Bethnal Green WHL* - E.L. ureb, Bethnal Green - E.L. E.L. E.L.	29788 47932 29981 19810	28 40 25 11	12 14 10 7	6 2 5 2	2 2 -	1111	1111	7.1.7	2	3	1111			1 1 1	1	2 - 2 -	4	1111
italfields - E.L. & N.R. itechapel Church Hodman's Fields - E.L. & N.R. & E.L.	22585 15478 17490 9713 6102	15 10 16 4 4	7 11 22 1 2	4 4 3 1 1	1 1 2 -	11111	1 1 1 -	11111	ri i i i	11111	11111		-	2 1 1 -	1 1 4 1 1	1411	6 19	1
George's North John, St. George East W - E.L.	88747 8410	22	20	12 .	2	-	-	-	-	-	-	-	-	9	1 -	1 -	8	1 -
adwell HH - E.L. & N.R. telliff E.L.	10895 16107 82041	8 5 28	16 3 15	10 1 4	-	-	-	3	- - 1	1 1.4	1.1.1	-	-	3 1 2	2 -	5 -	2 -	
meheuse E.L. le End Old Town West - E.L. le End Old Town East WwwH-E.L.	37960 67653	25 52	10 17	2	1 2	-	-	3	=	-	-	-	-	1 2	-	-	3	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	87074 64359 55077	28 41 41	11 15 19	4 2 4	5 3	:	ī	-	ī	1	111	1		4		4	6 2:	-
SOUTH DISTRICTS.   Revious Southwark	13668 14999 21381 15953 21318 26672 59555 21623	18 5 14 8 10 23 82 16	5 5 11 9 4 7 17 4	2 3 4 4 8 10 1	1 - 3 -	11111111	2	117111711	1	1 2 -	1111111	11111111	1111111	21 2 -	1 - 2	1 1 1 2 3	1111111	12 - 12 -
Olave WH S. & L.  Ather Market S. & L.  Mary Magdalen W - S.  James Bermondsey - S.  therhithe WH S. & K.	11956 16300 15669 54682 36024	7 10 8 81 25	19 8 3 12 14	1 4 7	8 3 1 1 2	11111	1 -	11111		1	11111	1	-	3 1	5	1 2	14	1
Aterico-road 1st   H -   L, & S, aterico-road 2nd   H -   L, & S, mbeth Church 1st   H -   L, & S, mbeth Church 2nd   W   W   L, & S, minington 1st   -   S, & L, minington 2nd   -   S, & L, iston sew   -   L, & S, mood   W   -     L, & S, mood   W   -	15195 16361 19876 39859 45282 35382 62837 19017	9 20 12 21 26 16 85 18	6 3 17 22 20 13 13 4	2 1 5 7 11 2 5 3	1 - 5 2 4 3 1	11111111	1 - 1	1		1	Title in		1111111	- 4 5 3 - 1	1 2 2	1 2 2 1 1 -	1 9 10 -	2 1
st Battersea	54675 52587 86380 28004 18235 25553	48 44 19 26 7 29	11 27 8 5 6 8	7 - 1	2 5 4 1 1 3		1		2	ī ī	111111	1	11111	1 2 - 4 -	1	1	5 5	1
wich La S. La S. La La S. La S. La La S. La La S. La La S. La La S. La La S. La La S. La La S. La La S. La S	5590 59104 71089 50810	52 50 49	40 19 24	8 4 13	8 4 -		1	1111	- 1 1	1	-	1111	1111	- 08 80 TO	1	1 1	17	1
Paul Deptford was K. Nicholas Deptford K. senwich West H K, senwich East WHH K,	76782 7901 21972 24608	58 5 13 17	38 6 6 17	11 2 8 4	9 1 2 8		3 - 1	1111	2 -	1111	-	1111	1111	8 - 1 2	2 - 1 1	3 - 1 2	1 7	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	1 5 11 7	2 5 8 3	1 1 -	2 3 2	1111	1	1111	11.11	- 1		1111	1111	1	1 1 1 1		14-	1111
arlton H K, solwich Dockyard K, solwich Arsenal HH K, matead, West H K. Imstead, East W K.	10930 17617 19048 14009 19241	9 14 21 12 83	5 5 7 4 6	1 1 2 2 2 3	2	11111	1		- 2	-1111	11111	1111	17111		1	1		1 1 1
tropolitan Asylum Hospitals: Dartford w Winchmore Hill w Plaistow w-	=	-	-	-	-		=	=			=	-			-	-		-

<sup>10</sup> following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the 10 formary in Kensington Town sub-district.

Central London Sick Asylum: in Tottennam Court-road suo-district.

Holborn infirmary in Upper Holloway sub-district.

Hoston in Hormary in Upper Holloway sub-district.

Hoston City Workhouse Hoston Kew Town sub-district.

Hoston Wile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA : POPULATION : BIRTHS and DEATHS registered during

Regis-		Area		1	1	1			The 1	DEATH	s regis	tered !	n the	Week	includ	e	
tration		in Aeres,			1	Pos	Abaat	T		7	Dankli	- 6-0-				1	1
District	D	inclu-	Enume-		200	Det	ths of	-		1	Death	s from	1				
and Sub-	REGISTRATION	ding Tidal	Popu-	EHE	H	12.0	1 60 rds.					ngp		1		1 :	Public
district	SUB-DISTRICTS.	Water	lation,	BIRTHS.	DEATHS	under of Age.	aged 60 k upwds.	1 4		OAG	1 4	9		1 2	1.	Sase	in P
Num-		and	1881.	1 14	1 7	its.	ns or	1 2	los.	ot F	her	pin	1 4	hose	000	384	ba i
bers.		Fore-				Infants Year o	Persons a	Small-pox.	Measles.	Searlet Fever.	Diphtheria	Whooping-cough	Fever.	Diarrhoss.	Violence.	Inquest Cases.	Deaths
LON	DON-OUTER RING	370,924	950,957	762	298	80	62	1	3	1	5	6	2	17	8	21	- 2
80:1	Carshalton wZ -	12228	21118	8	4	i	1										
3	Epsom (part of)* WwH	9971	10710	4	1	1	-	-	-	-	-	-	-	-	-	_	
37:1	Godstone (part of) * -	2764	1235	1	-	7		-	-	-	-			-	-	-	1
88:1	Croydon WwHHL -	20851	101941	88	28	4	8	ŀ		-	-	-	-	2	~	1	1
39:1	Mitcham w † Wimbledon HHH -	11697 3220	17932	12	6 5	1	2	-	-		-	-		-	1	-	
2	Kingston WHH	8549	15950 36354	9 20	12	8			-	-	1	1		-		1	
8	Esher (part of) * -	6801	9221	7	1			-				-		-		-	
40:1	Hampton H	4578	18539	10	8	8	1	-	-		-	-	-	1	1	1	
3	Richmond WH Mortlake	2941	21302 12331	8 8	6	8	2	-	- 1	-	-	-	-	-	1	2	1
41:1	Bromley (pt. of) * HH	15869	81142	18	11	1	4	-			-		-	-	3	2	
2	Chishrst(ptof)* WHH	14307	15944	10	4	-	1	-	-	-	-	-	-	-	-	i	1
49:1	Bexley H Dartford (Ww, pts. of)*	13437	24134	19	6 -	-	4	-	-	-		7.1	-	-	-		-
124:1	Sunbury w	11055	11685	8	-	-	-	-	-	- 1	-	-	-	-	-	-	-
125:1	Staines W	13277	12089	8	-	-	~	-	-	-	-	-	-		-0	-	~
125:1	Hillingdon WHH - Uxbridge	6029 6178	10802 3225	6 8	5	1	2	-	-	-		-	-	-	-	-	8
8	Hayes wHL	14587	11528	8	2	-	1	-	-	-	-	-	-			-	9
126:1	Isleworth WHH -	7008	22727	12	10	-	8	-	-	-	-	-	1 .	-	-	2	2
2 3	Twickenham H Brentford HL	2477 4345	12479 27649	6	1 15	1	-	-	-		-	-	-	-	-	-	-
4	Chiswick	1840	15975	26 21	2	1	2 1	-	-	-	2	-	-	1	1	1	1
5	Acton wH	6088	22876	19	16	6	2	-	1	-	-	í	-	-	1	4	-
127:1	Harrow H	18809	12796	12	3	3	-	-	-	-	-	-	-	1	-	-	-
3	Edgware H Willesden	6994 4383	3749 27458	83	15	7	2	-	-	-	-		-	3	-	-	-
4	Hendon W	8382	10484	13	4	2	1	-	_	-	-	-	-	1	7	1	-
187:1	Bushey	9831	0621	4	-	-	-	-	-	-	-	-	-	~	-	-	-
128:1	Watford (W, pt. of) -	1KK00	2201	-	-	-	-	-	-	-	-	-	,-  -	-	-	. 42"	-
3	Barnet	15599 5433	6391 10092	2	2	-	-		-	-		-	-			-	-
3	Finehley HL	4688	17615	13	10	-	-	-	-	-	-	-	-	-	-	-	7
185:1	Hatfield (part of) * -	3806	583	-	1	-	-	-	-	-	-	60 m	-	-	-	-	-
129:1	Hornsey $H$ Tottenham $H$	8039	37078	81	11	8	1	-	1	-	-	1	-	2	-	-	-
8	Edmonton Ww ‡ -	7483	46456 23463	18	14	7	3		-	-		-	-	8	-	-	1
8	Enfield WH	19653	19104	21	-4	-	2	-	-	-	-	-	-	-	-	1 -	ĩ
6	Waltham Abbey Cheshunt	11017	5868 7785	5 4	8	-	-		-	-	-	-	-	-	-	-	-
186:1	Stratford	882	38806	83	4		1		-	-			-		-	-	-
3	West Ham wwwwH§-	7351	101058	106	40	11	3	1	1	1		2	1	2	2	9	1
4	Leyton WwL Waithamstow H -	4872 6820	32430 28869	87	18	8	5	- }	-	-	-	1	-	-	-	-	1
87:1	Chigwell (part of) * H	11761	9669	36	13	2	2	-	-	-	2	-	-	-	-	-	-
2	Epping (W, pt. of)* -	-		-	2		2	-	-			-	-	-			-
189:1	Romford (part of) * W	6730	8411	6	_	-	1	-			- 1				_		1
3	Ilford	8498	7645	18	4	2	2			1	1		-		- 1		-

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as folio 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parishes of Cudham sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375): 189:1, the parish of Dagenham in Romford sub-district, and the Country of Cou

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Exclusive of deaths of London residents in the Motropolitan Asylum Hospital, Winchmore Hill (see Table 5).

Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

ABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 6th July, 1889.

-			ANNUA	LRATE			The DE	ATHS	regi	stered	in t	he W	eek i	nelud	ė	
	Area in Acres.	Estimated	of Mor	TALITY living.	DEATHS	Deat	hs of			I	Death	s from	n			Public ions.
GREATER LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhaa.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	16.	16
ATER LONDON	448,334	5,642,015	15.2	2.8	1648	509	301	1	34	10	43	38	10	172	59	306
NNER LONDON -	000.004	<b>4,351,738</b> <b>1,290,277</b>	16·2 12·1	3·3 1·4	1350 298	429 80	239 62	1	31	9	38 5	32 6	8 2	155 17	51 8	280 26

The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 00.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 Foreign Cities, having an estimated Aggregate Population of 16,612,869 Persons.

		DATE OF RETURN. Week ending			DEATHS.	ANNUAL DEATH- BATE per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.						
Cities.	Population (enumerated or estimated).			BIRTHS. Exclusive o			Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
LOUTTA	433,219	May	11	_	201	24.2	4	_	-	-	-	56	40†
MBAY	773.196	June	11	-	-	-	-	-	- 1	-	-	-	-
ADRAS	398,777 {	May	3	310 325	833 840	43.6 44.3	3	47 53	0.0	5	9	74 78	42 49†
.e.s	2,260,945	June	29	1148	878	20.2	-	26	6	27*	15	16	93
tussels h 8 Faubourgs.)	471,606	10	29	253	158	17.4	-	1		1		2	28
ASTERDAM -	403,083	39	29	254	194	25.2	-	4		3	. 6	1	-
OTTERDAM	197,723	59	29	141	113	. 29.6	-	16		-2	-		2
IB HAGUB .	153,440	23	29	100	55	18°6	-	-	-	-		2	\ -
PENHAGEN -	307,000	9	22	186	132	22*4	1 -	1		10	4	1	16
OCKHOLM -	228,218	33	22	152	92	20.9	-	-	1	4*	-	-	26
BRISTIANIA -	138,300	1)	29	71	85	32.0	-	1	-	4	2	-	30
PRIMEBURG	842,883		22	-	555	31.4	2	7	14	8	4	25	104
BRLIN	1,470,582	22	15	898	1224	42.8	-	9	4	18	10	3	649
AMBURG (State)	575,276	,,	22	395	220	20.0	-	-	4	8*	4	1	46
ERSDEN	264,196	,, .	22	169	115	23.6	5	-	-	5*	P	-	25
RHSLAU	315,000	,,,	29	203	1	35.0	-	4		4*	1	-	79
IUNICH	281,000	23	22	238	179	32.7	-	5	. ~	6*	-	-	48
IRHNA	811,434	23	. 22	464	369	23.6	1	8	. 1	9	2	-	60
RAGUE	304,356	99	22	-	180	30.9	7	3	-	8	9	. 1	8
UDA-PESTR .	452,907	39	22	280	251	28.8	-	-	-	8	0	6	39
EIESTE	158,084	29	22	-	55	18.1	-	-	-	1	-	- '	
town	401,044	May	18	209	182	23.6	4	4	1	9	1	41	1
PURIN (11 days)	306,398	199	31	255	200	21.7	1 -	15	2	6	3	3	18
PRICE	153,375	June	15	85	84	28.6	2	4	-	-	2	-	9
JAIRO	374,838	19	6	375	388	54.0	14	6		1	. 5	26	130
ALBEANDRIA .	000.000	19	6	178	178	40.1	3	1	-	1	-	5	51
NEW YORK	1,549,500	,,	15	-	718	24.5	-	8	26	50	19	4	. 56
RECORLYN	814,505	, ,	15	1 -	377	24.2	-	3	3	15	7	1	55
PHILADELPHIA		, ,	15	-	395	19.8	-	11	5	6	1	14	22
BALTIMORE	500,343	25	15		155	16.2	-	1	-	. 2	1	3	19

Including deaths from croup.
 Including 21 deaths from cholera in Calcutta, and 1 in Madras.
 Malarial fever.

TABLE 9. - METEOROLOGICAL OBSERVATIONS taken at the ROXAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 6TH JULY, 1889. Under the Superintendence of the Astronomer Royal.]

0.7 6.0 The height of the cistern of the barometer is 159 feet above the mean level of the sea; no Corporation of London.
The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—F. positive; N. negative; w. weak; m. moderate; s. strong; and 8.0 0.0 0.0 0.0 8.0 With the corrected mean reading temperature of the air The average temperature of the air is that derived from a discussion of the photographic eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air temperature and degree of humidity are deduced bulb thermometers by Gluisher's Hygrorecords made at Greenwich during the 20 years ending 1868, and that of horizontal movement and The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deption, and their readings are registered by the Clerk of the Market, under instructions from the Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the neteroological observations are to be understood as applying to the civil day, or from midnight to midnight. The reading of the barometer increased from 80 10 in at the beginning of the week to 30 -22 in. by 9h. P.M. on the 1st of July; and decreased to 29 70 in, by the cun of the week 27 In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," - "lower," than the average. receiving surface is in a Gauge Whose o.oo in. 26 of the air from a discussion of the anemometric records for the 16 years ending 1875, of 16 Years. Miles. Average 14 19 33 76 Sum -352 + Robinson's. Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. Movement of the Air on each Horizontal Miles. 187 150 Sum 1388 24 correction has been applied to the readings to reduce to sea level. The numbers in column 29, derived from the Campbell-Stokes Wind as deduced from Anemometers. Mean of 24 hourly obs. during the twenty years ending 1868 for the thermometers. lbs. 0.0 0.0 23 Pressure on the Square Foot. Least. lbs. 0.0 0.0 0.0 22 from the mean daily values of the dry and wet 1.2 est. 1.5 0.0 2.0 2.0 21 The mean daily dew point ENE, & Calm WSW. ASW W. & NNW N. & ESE. ENE. & E. NNE. P.M. NE. General Direction. 20 NE. NNW. &SW. NNE. &ENE. NNW. & N. ENE. & Calm & NNW. NNE. NNE. A.M. 13 of the Water of the Thames at Deptford. metrical Tables. est. 18 (column 8). TEMPERATURE. v. variable. Highest. 17 Lowest on the Grass. 43.8 20.0 Of Radiation. 41.1 1.4 0 1.4 16 afterwards. till evening; overcast till eloudy High-est in Sun's Rays. 134.0 1.27.7 4.61 128.5 89.5 45.8 0 15 generally Cloudy till evening; generally clear at night. partially 99 89 80 18 58 7.1 14 d hazy till light cloud GENERAL REMARKS. Very fine. Small amounts of cloud evening; cloudless at night. Warm day Difference between the Air Temperature and Dew Point Temperature. 1.0 Least. 0.0 0 13 and Overcast in morning; fine 25.2 11.2 Great 20.1 18.7 4.96 26.7 20.8 Fine and partially cloudy afterwards. Cloudless and Dull. est. 0 Partially cloudy. Mean daily value. 9.51 2.21 15.5 11.11 Overcast throughout. F. 9 8.9 0 Of the Dew Point. Mean daily 2.79 9.8 9.19 52.8 51.5 25.5 P. 22 0 Warm day. Very fir parture l'ine. 9.9 8.0 2.3 0.0 1.1 + + + ł + + + TEMPERATURE, Mean daily 67.3 59.5 4.19 66.2 Registered Sun above Sunshine, Horizon, in hours, in hours. 28.4 63.3 90 Sum 115.1 2.91 9.91 9.91 Of the Air. ₹.91 16.4 16.4 Daily Range. 23.7 6.61 17.2 52.8 20.8 0 30. 8.6 LOW-0.49 2.6 0.0 Sum 51.3 55.7 54.1 51.9 55.2 9.40 20.3 23.1 9.11 est. 9 0.44 4.64 0.99 73.5 80.2 9.42 est. 0 The electrometer was not in action throughout the week. (For explanation of symbols, see Note.) Mean daily reading rected and re-30.116 30.508 ELECTRICITY. 30.061 986.67 29.862 790.08 29.837 in. Equator. of the Moon. . 00 30 30 MORTH AND 1889. JULY. No. of Col JUNE, DAY. THURS. . DATE. JUNE. Mon. MEANS Vo. of Col. TUBS. JULY. WED. TRUBEDAY SUN. SATURDAY BIONDAY TUESDAY SUNDAY FRI. SAT. FRIDAT

## OFFICIAL COPY.

# WEEKLY RETURN

# BIRTHS AND DEATHS IN LONDON

AND IN

# TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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No. 28. 1889. Vol. L.]

WEEK ENDING SATURDAY, JULY 13.

Price 11d.

General Register Office, Somerset House, 15th July, 1889.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21.5 per 1000. The death-rates in each of the several towns were:—

	Weeks ending				Weeks ending				
Towns.	June   June   July 22.   29.   6.	July	Towns.	June 22.	29. 6.	July 13.			
Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield	$\begin{array}{c} 12 \cdot 2 & 18 \cdot 3 & 19 \cdot 8 \\ 16 \cdot 6 & 15 \cdot 5 & 14 \cdot 3 \\ 15 \cdot 5 & 22 \cdot 4 & 15 \cdot 1 \\ 22 \cdot 3 & 19 \cdot 6 & 15 \cdot 0 \\ 15 \cdot 8 & 16 \cdot 4 & 19 \cdot 1 \\ 9 \cdot 9 & 13 \cdot 7 & 11 \cdot 6 \\ 14 \cdot 8 & 13 \cdot 0 & 15 \cdot 5 \\ 18 \cdot 1 & 18 \cdot 5 & 19 \cdot 4 \\ 10 \cdot 6 & 15 \cdot 9 & 13 \cdot 8 \\ 25 \cdot 1 & 22 \cdot 5 & 18 \cdot 0 \\ 15 \cdot 7 & 14 \cdot 6 & 17 \cdot 4 \\ 25 \cdot 3 & 22 \cdot 1 & 20 \cdot 1 \\ 25 \cdot 3 & 22 \cdot 1 & 20 \cdot 1 \\ 21 \cdot 9 & 22 \cdot 6 & 26 \cdot 9 \\ 15 \cdot 6 & 20 \cdot 1 & 20 \cdot 5 \end{array}$	22·6 23·7 26·4 22·9 15·9 16·4 20·8 19·6 20·6 12·9 22·3	Portsmouth Preston - Salford* - Sheffield -	14.9 27.1 23.0 16.6 11.2 13.9 20.7 14.0 26.0 17.7 18.3	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	19·3 26·7 31·8 16·0 20·4 20·5 24·0 22·5 30·5 26·7 23·3			

The highest annual death-rates, measured by last week's mortality, were:—from measles, 3·2 in Halifax, 3·3 in Hull, and 4·5 in Preston; from searlet fever, 1·1 in Salford and in Huddersfield, and 3·3 in Plymouth; from whooping-cough, 1·3 in Bradford and in Plymouth, and 1·6 in Newcastle-upon-Tyne; from "fever," 1·0 in Birkenhead; and from diarrhæa, 5·0 in Preston, 5·5 in Bradford and in Leeds, 8·3 in Leicester, 8·9 in Salford, and 9·3 in Sunderland. The 38 deaths from diphtheria in the twenty-eight towns included 25 in London and 3 in Manchester. No death from small-pox was registered in any of the twenty-eight towns. London.

In London 2306 births and 1606 deaths were registered. Allowing for increase of population, the births were 433, and the deaths 109, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 14.9, 15.2, and 16.2 in the three preceding weeks, further rose last week to 19.3. During last quarter the mean death-rate was 16.0 per 1000, and was 3.3 below the mean rate in the corresponding periods of the ten years 1879-88.

The 1606 deaths included 30 from measles, 9 from scarlet fever, 25 from diphtheria, 26 from whooping-cough, 8 from enteric fever, 2 from ill-defined forms of continued fever, 258 from diarrhæa and dysentery, and 10 from cholera and choleraic diarrhæa; thus, 368 deaths were referred to these diseases, being 67

below the corrected average weekly number.

The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated, and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

59334.—2. 610.—7/89. Wt. 14.

No death from small-pox was registered, the corrected average being 10. The fatal cases of measles, which had been 33 and 31 in the two preceding weeks, were last week 30, and but half the corrected average; 13 belonged to the sanitary areas of South London. The 9 deaths from scarlet fever corresponded with the number in the previous week, and were 23 below the corrected average. The 25 deaths from diphtheria showed a decline of 13 from the number in the previous week, but exceeded the corrected average by 9; 4 belonged to Shoreditch, 5 to Bethnal Green, and 3 to Lambeth sanitary areas. The fatal cases of whooping-cough, which had been 27 and 32 in the two preceding weeks, declined again last week to 26, and were 28 below the corrected average. The 8 deaths from enteric fever corresponded with the number in each of the two previous weeks, and were 6 below the corrected average. The deaths attributed to diarrhæa and dysentery, which had been 57 and 155 in the two preceding weeks, further rose last week to 258, and exceeded the corrected average by 22. Ten deaths were referred to choleraic diarrhæa, infantile cholera, sporadic cholera, or English cholera, being one below the corrected average. The 158 deaths from diseases of the respiratory organs were 46 below the corrected average.

## GREATER LONDON.

In Greater London 3016 births and 1950 deaths were registered, corresponding to annual rates of 27·9 and 18·0 per 1000 of the estimated population. In the Outer Ring 29 deaths from diarrhea, 6 from diphtheria, and 5 from whocping-cough, were registered. The fatal cases of diarrhea included 5 in Leyton, 4 in Tottenham, 3 in Willesden, and 3 in West Ham sub-districts; and 3 of the 6 deaths from diphtheria occurred in West Ham sub-district.

DEATHS BELONGING to the SEVERAL SANITARY AREAS OF REGISTRATION LONDON registered in the 13 WEEKS ENDING ON 29TH JUNE, 1889.

			Production Division No.									
	m . 1	Deaths from Principal Zymotic Diseases.									r. 1	to to the
SANITARY ABEAS.	Total Deaths from all Causes.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Simple and Undefined Fever.	Diarrhœa.	Deaths of Infants under 1 Year of Age.	Deaths under 1 Year to 1000 Births registered.
REGISTRATION LONDON WEST.	17,010	-	665	148	309	541	1	80	17	268	\$93 <b>9</b>	120
Paddington	839 596 383 346 425 308 263 138	11111111	2 3 11 11 14 34 18	3 5 1 2 2 1 2 2	7 25 6 3 7 4 1	2 6 4 21 21 19 10 5	1111111	2 3 - 1 1	1 1 1 1	38485262	69 105 86 88 87 59 46 26	101 115 115 110 123 152 121 280
North.  Marylebone	600 206 1015 1186 744	11111	16 2 29 70 18	7 8 8	10 1 12 10 23	19 10 44 44 25		1 - 9 7 5	1100	9 2 1 16 6	135 50 224 267 162	118 133 123 112 94
CENTRAL.  St. Giles	188 59 159 176 327 228 164	1111111	10 - 6 6 5 - 4	8 - - 8 4 8	3 - 1 5 5 3 2	4 2 3 2 11 5		1 -3 -1 -2	1 1	9 5 2 9 4	81 13 82 81 93 55	100 194 181 144 165 118 92
EAST.  Shoreditch	566 570 351 256 310 413 675		6 23 26 2 5 10 5	5 3 2 - 8 6 1	12 10 7 7 7 14 11 11	3 12 2 - 3 6 80	11111	1 - 5 2	1 2 - 1	13 12 11 11 8 6	145 156 86 75 67 106 139	127 128 121 154 135 112 95
South.  St. Savior Southwark St. George Southwark Newingto Southwark St. Old Southwa	152 343 610 61 401 168 1097 517 426 862 6%5 198 174 825		3 80 46 4 22 9 28 16 9 39 71 10 9	- 5 10 - 4 2 21 10 1 7 4 5	1 8 14 1 3 6 80 6 10 11 9 - 2 5	2 4 32 11 22 14 19 25 18 45 28 10	1	3 1 2 1 10 - 1 12 2 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 4 9 3 5 16 11 4 12 17 12 1 1	38 88 171 15 98 37 252 165 101 2 0 172 42 38 66	148 147 167 121 118 105 112 132 99 114 128 93 110

In the above Table all deaths in Hospitals and in other Public Institutions within Registration London, as also 37 that occurred outside that area in the Strand Union Workhouse at Edmonton, the Holborn Union Workhouse at Mitcham, and the Metropolitan Asylum Hospitals, have been distributed to the sanitary areas from which the deceased inmates were admitted. On the other hand the deaths of 334 non-residents who died in Public Institutions inside London have been excluded from the Table.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.66 ins.; the lowest reading was 29.42 ins. on Wednesday afternoon, and the highest 29.83 ins. on Thursday evening. The mean temperature of the air was 63°0, and 0°3 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Monday and Wednesday, whereas it exceeded the average on each of the other days of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 8·2 miles per hour, which was 1·5 miles below the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0·72 of an inch. The duration of registered bright supshing in the week was 93.0 hours. of 0.72 of an inch. The duration of registered bright sunshine in the week was 23.0 hours, against 22.2 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the London Water Companies who have furnished him with the average daily quantity of Water supplied during the month of June 1889; according to their returns 180,877,584 gallons or 821,810 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 241 gallons (109.5 decalitres), rather more than a ton by weight, to each house, and (assuming 7.8 persons to each house) 30.8 gallons (14.0 decalitres) to each person, against 30.4 gallons during June 1888.

	Number of suppli	Houses, &c.	Average daily Su in Gal	ipply of Water lons.
Companies.	JUNE.	JUNE.	JUNE.	JUNE.
	1888.	1889.	1888.	1889.
TOTAL SUPPLY	735,616	751,877	175,570,123	180,877,584
From Thames	356,318	362,662	87,971,114	91,461,781
	379,298	389,215	87,599,009	89,415,803
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	34,559	34,967	10,185,300	10,215,697
	70,486	71,876	16,139,223	17,168,359
	109,629	111,112	24,790,852	25,503,716
	54,247	55,497	18,399,439	19,104,609
	87,397	89,210	18,456,300	19,469,400
LEA AND OTHER SOURCES.  New River East London Kent	150,340	152,369	32,924,000	33,880,000
	158,314	164,686	41,727,954	42,227,997
	70,644	72,160	12,947,055	13,307,806

Note.—The Return for June 1889, as compared with that for the corresponding month of 1888, shows an increase of 16,261 houses, and of 5,307,461 gallons of water supplied daily.

# Analysis of Metropolitan Water Supply during June.

Water-analysis Laboratory, The Yews, Reigate,

12th July, 1889. I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of June.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.8, Tottenham 1.0, Colne Valley 1.2, Grand Junction 1.5, New River 1.6, Lambeth 2.0, West Middlesex 2.6, East London 2.7, September 2.14, Chalcon 2.7 Southwark 3.4, and Chelsea 3.8.

The water drawn from the Thames by the Chelsea, West Middlesex, and Southwark Companies was inferior in quality of that delivered in May, but the Lambeth Company's water was superior, whilst that sent out by the Grand Junction Company contained, for river water, a remarkably small proportion of organic matter, surpassing in this respect even the New River Company's

supply. All the Thames water were efficiently filtered.

The water abstracted chiefly from the River Lea by the New River and East London Companies was efficiently filtered. The New River Company's supply was superior, whilst that of the East London Company was inferior to the water delivered by these Companies respectively in May.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a high degree of organic purity. The Colne Valley Company's waters was softened before delivery, and was thus rendered suitable for washing. These waters

require no filtration. They were clear and bright.

Seen through a stratum two feet deep, the waters presented the following appearances:—

Kent, Colne Valley, and Tottenham, clear and colourless; New River, clear and nearly colourless;

the remaining waters, clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city exhibited "a decided diminution in the amounts of organic carbon and nitrogen as compared with the three previous samples, and it was not so turbid."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little

suspended matter."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

-			-	-			-	-			
or	COMPANIES LOCAL AUTHORITIES.	Date  and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES. Chelsea	June 21st, Cab Rank, Horse Guards, Whitehall.	17.7	27.78	186	*037	0	207	*244	1.6	18.3
	West Middlesex -	{Cab Rank, Portland-road.}	18.2	29.14	125	.030	0	*211	241	1.7	19.1
	Southwark	June 21st, Cab Rank, Bricklayers Arms, Old Kent-road.	17.5	30.00	.147	*054	0	•213	•267	1.7	20.6
Inner Circle.	Grand Junction -	June 21st, Cab Rank, Uxbridge-road, near Marble Arch.	19.2	28.38	*067	.022	0	.191	*213	1.7	19.7
Inne	Lambeth	June 21st, Cab Rank, St. George's- road, Southwark.	17.6	29.76	:092	.028	0	•230	*258	1.7	19.7
	LEA. New River	Tune 21st, Cab Rank, Tottenham Court-road. June 21st,	18.7	30.14	.071	023	0	-250	*273	1.7	20.3
	East London -	Fire Brigade Station, Commercial-road, E.	18.3	32.20	134	.026	0	*239	*265	2.0	21.2
le.	DEEP WELLS.	June 21st, Mill Lane, Deptford.	11.8	44.14	*045	*605	0	*449	*454	2.6	30.8
. Circ	Colne Valley	{ 25th June, Bushey. }	-	18.70	*053	.017	.016	*408	436	2.5	7.7
Outer Circle	Tottenham	{ 19th June, Tottenham. }	-	40.20	.043	•014	.015	*021	*047	2.9	20.9
Corp	poration of Birming	\{\begin{align*} \text{June 21st,} \\ \text{Western Place,} \\ \text{St, Vincent Street,} \end{align*}	11.1	26.82	*156	'038	*001	•220	*259	1.7	14.1
Cor	poration of Glasgowt-	{ Loch Katrine Water. }	13.2	2.70	145	*035	0	*004	.039	0.7	0.95
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
 Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 21st June at the Horse Guards cab-rank, had a temperature of 17° 7 C.; 100,000 lbs. of it contained 27 78 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained '186 lb. of carbon and 037 lb. of nitrogen. The above quantity of water also contained no ammonia, and ·207 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·244 lb. The above weight of water also contained 1 ·6 lbs. of chlorine; and 18.3 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

T									_	,	- 4																			1			-1	
		OITIES	BOROUGHS.	Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPTON	LEIGHERTH L.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BOLTON.	MANCHESTER.	SALFORD.	OLDHAM.	DEFERENCE DESCRIPTION	HUDDERSFIELD.	HALIPAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDEBLAND.	NEWCASTLE.	CARDIRE.	EDINBURGH.	GLABGOW.	DUBLIS.	
1	PALL.	-	In Centil- metres.	24.	2.31	1.83	2.29	. 1	2.38	1.65	10 0		1.70		1	1.45		2	•	1	' '			64.0	1	,	ŧ		3.00	1	6.45	3.53	97.7	
_	RAINFALL		In Inches.	23.	16.0	0.72	1.05	1	2.13	0.02	70	1 1	29.0		•	19.0		•	1	1			•	0.31	•	1	1	1	1.18	1	2.54	1.39	68.0	
E AIR.		Mean.	.ebargitaeO	22.	15.11	17.22	16.22	3	12.18	15.17	00 #57	1 8	15.44	1	1	18.83	8	1		1 1	. ,	,		14.83	1	1	1	1	13.20	ı	13.67	12.89	28.71	
S OF TH		Me	-tiodasrds T	21.	2.69	_	61.2	•		59.3	2		59.8	1		6.99			ı	ı		1	•	2.89	1	2	1	1	26.4	1			1.99	
TEMPERATURE OF THE AIR.		.31	nheit Lower	20.	43.0	1.22	55.0		0.19	51.5	 2		43.0	1	1	8.44	1	6		1	1 1	1	8	46.7	1	1	1	1	0.84	3	42.0	42.1	20.00	
TEMPE			Fahrenheit Lower	19.	277.3	1.92	0.22	•	2.94	8.04	0	1 1	277.3	1	1	0.89	ı	,	1	1	Ø :	8		75.5	1	ı	1	t'	0.89	,		8.02	-	
Kate	corresponding	Deaths	From Diseases in Cols. 6-12.	18.	5.3	4.3	4 4	1.1	7.8	6.1		9.6	3.7	5.6	5.1	0.9	2.0	6.3	11.4	3.4	11.5	8.2	8.8	8.0	8.8	2.9	0.9	11.3	8.9	20.22		_	1.6	
Annua	Sorrespo	Week's]	From All Causes.	17.	21.2	19.3	15.9	0.91	24.0	16.4	8.00	28.1	20.4	9.61	22.4	9.4.6	76.4	2.98	1.97	23.7	30.2	12.9	9.03	6.53	25.8	23.8	22.2	30.3	31.8	8.03	9.91	22.4	16.3	۱
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inol 4	100		.sadrisiQ	12.	640	200	41 0	0 63	-	63 ,	7	37	# 55 130	4	13	54	10	24	40	41	00 9	01	3	ai G	3 8	27	1	24	11	-	4	21	20	st pag
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		B of	Cersons aged 60 Years and upwards.	50.	704	320	8	<b>1</b> ~ 0	D 00	21	10	36	13	10	07	246	-	AC	3 6		70	-1	<del>2</del> 7 ¢	77	10	220	7 1 1	10	15	4	10	29	23	١
		Deaths of	ofants under I Year of Age.	4	1477	617	9	80 9	7.	16	10	99	41	55	90 9	110	011	3 .5	200	19	15	27	4	10	44	29	50	67	3 88	17	100	65	25	
	during	Buipa	9	80	3937	1606	37	01	98	22	23	197	81	83	37	44	200	2 6	190	200	22	19	60 0	28	103	177	057	78	86	46	à G	252	110	
TABLE .	Registered during	the Week ending	BIRTHS. DEATE	3	F393	9308	48	95	44	187	42	245	98	133	20 2	19	341	200	1.07	73	98	91	37	45	113	212	181	120	147	33	a G F	329	153	
The Party of the Party	-	Z	to the middle of the Year 1889.		907	004,000,4	4,351,738	141,253	94,510	78,225	82,544	454,835	150,520	287,812	98,529	102,541	606,562	010,010	878,800	142.405	121,275	104,194	92,825	81,080	235,056	357,449	122,128	184.108	160.983	112,712	000000	200,900	363,082	
		H4		Cola.		•	• •	•	•		MOI					٠	•		•		•	•	. 0	•	•	٠	•		•	•	1		•	
			EORUGHS.	00		28 TOWNS	London .	PORTEMOUTH	NORWICH .	PLYMOUTH .	WOLVERHAMPTON	The national State of Miles	TRICESTER .	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL .	BOLTON -	MANCHESTER	SALFORD.	BN	PRESTON .	HUDDERSFIELD	HALIPAX .	BRADFORD	LEEDS	144	HULL . TIOH	NEWCASTIR.	CARDIFF		EDINBURGH -		

Table 2. LONDON.—Births and Deaths Registered in the Twenty-Eighth Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males  Females .	2604	2418	2533	2483	2534	2409	2411	2626	25 <b>77</b>	2520	2738·7	2306
	1302	1234	1262	126 <b>7</b>	1275	1292	1267	1384	1318	1280	1398·1	1186
	1302	1184	1271	1216	1259	1177	1144	1242	1259	1240	1340·6	1120
Total Deaths Males Females .	1179	1441	1816	1347	1736	1849	1616	1680	1774	1288	1714·9	1606
	598	752	979	718	878	957	848	878	914	660	891·7	839
	581	689	837	629	863	892	768	802	860	629	823·2	767

The numbers in this column are the average weekly numbers in the twenty-eighth weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population,

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

					_				LIAGE		IEEM	W EE	TED 8
	Apr. 20.	Apr. 27.	May 4.	May	May 18.	May 25,	June 1.	June 8.	June 15.	June 22.	June 29.	July 6.	July 13.
TOTAL Births	2488	2522	2712	2565	2648	2402	2405	2523	2396	2636	2467	2507	2306
TOTAL Deaths	1426	1462	1386	1295	1231	1267	1151	1306	1247	1243	1265	1350	1606
Ages at Death	670 174 214 299 69	708 171 256 264 63	626 184 266 258 52	577 175 251 245 47	571 169 205 232 54	608 152 221 224 62	506 149 209 237 51	601 186 245 234 40	564 173 227 236 47	575 180 218 225 45	572 179 232 229 53	722 168 221 205 34	902 152 232 257 63
"" {Under 1 year - 1-5 5-20 - 1	299 279 92	361 273 74	309 246 71	287 218 72	267 225 79	301 222 85	242 181 83	306 205 90	293 184 87	281 203 91	315 189 68	429 208 85	617 196 89
Deaths from Small-pox  ,,, Measles ,, Scarlet fever ,, Diphtheria ,, Whooping-cough ,, Typhus ,, Enteric fever	70 10 22 51	- 65 9 29 56 - 3	68 15 21 55	60 10 23 37	53 7 24 36	47 16 21 48	31 4 16 49 -	39 12 34 26	32 11 26 37 -	23 17 27 27 27	33 10 13 27	31 9 38 32 -	30 9 25 26
" " SimpleContafever " " Diarrhea and Dysentery - — — — — — — — — — — — — — — — — — —	10	1 18 	12	10	1 34	1 13 1	14	19 1	34	40	1 57	155	2 258
,, ,, all the above- mentioned Diseases	169	181	178	149	142	152	123	138	150	141	149	278	368
" ,, Dis. of Respira- tory System } " ,, Phthisis - " ,, Dis. of Circula- tory System }	300 128 98	305 164 119	242 143 154	213 125 134	217 137 97	177 148 98	162 144 101	205 174 97	169 162 106	171 1 <i>5</i> 5 123	169 137 99	143 138 94	158 128 117
Violent Deaths Inquest Cases Deaths in Public Institutions	. 57 111 315	69 116 831	55 107 315	66 125 310	51 85 311	48 89 342	55 104 290	58 91 323	48 109 290	53 105 324	39 · 90 314	51 90 280	83 129 358
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	46·5 55·3 39·8	47.5 57.8 39.1	61.9	57·7 67·9 49·1	54·0 64·5 46·7	61·9 75·1 50·8	55·7 64·9 48·0		64.0	59·6 72·4 49·7	64·1 77·1 52·1	63·3 74·6 53·7	63·0 72·9 56·2
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	84 0·16 12·5	80 0·75 31·3		77 0·71 37·5	85 0·19 27·7	77 0·51 49·1	82 1·33 47·2	78 0·31 50·1					80 0·72 23·0

### METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Smpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 2. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the TWENTY-EIGHTH Week of the Year 1889.

	for the		Satu	the rday,	Wee 13th	k en Jul	ding y 188	9.			os for the		Satu	n the	, 13t	ek er i Jul	ding y 188	33.	
	verages for of the 10 ye '9-88.*		De	aths	of P he A	erson ges	as of		·		igos fo		De	aths	of P	ersor	as of		
AUSES OF DEATH.	A 25.00	9.	τ	nder 20.		under 40.	under 60.	under 80.1	and	CAUSES OF DEATH.	ected Averages. Weeks of the 10	10	T	nder 20.		under 40.	under 60.		and 8.
	Corrected 28th Week	ALL AGES.	0-1.	1-6.	5-20.	20 and un	40 and un	60 and un	su Years upwards		Corrected 28th Wee	ALL AGES	0-1.	1-5.	5-20.	20 and un	40 and un	and	so Years
LL CAUSES	1714.9	1606	1	196		152	232			Diseases of Organs of Special Sense † }	2.6	1	-	-	-	1	-	-	_
Small- pox Vaccinated; - Unvaccinated No Statement	}10.3	Ī	-			-	-	-	9 1 9	Diseases of Circulatory System }	96.9	117	3	-	9	20	35	43	7
Measles	59·5 81·7 0·7	30 9 -	7 -	19	3 -	1 1 1 1	-			Croup Bronchitls Pheumonia	11:0 103:4 61:7	10 88 52 2	32 7	7 13 17	8 8 8	1 6100/1	11 8 1	22 9	5 -
Typhus	93.9 0.0 0.0	- 26	- 11	- 14	1	-	-			Pleurisy - Other Diseases of Respi- ratory System}	20.6	6	-	-	1	-	3	3.	-
Diphtheria	3·2	25	3	16	7	-	1	-	1	Dentition † Quinsy, Sore Throat † - Enteritis Peritonitis Diseases of Liver	18.7 2.8 14.4 5.3 31.7	13 2 32 9 26	7 -23 1 8	8 -	2 2 1	1 2 3	1 2 4 9	1 8	1 1 1 2
Enteric Fever Cholera Diarrhœa, Dysentery	18·5 10·7 235·7	8 10 258	5 218	3 29	2 -	3 -	1 -	1 7	- 4	Other Diseases of Digestive System -}	34.3	25	8	-	2	3	6	5	1
Remittent Fever†   Hydrophobia   Glanders	0°0 0°0		1 1 1	-	- 1 -	-	-		1 1	Diseases of Lymphatic System & of Ductless Glands †	2.1	2	-	1	-	-	1	_	-
Vaccination †	0°2 13°2 4°1	19	11	1	- 1	3	2	2 2	- 1	Diseases of Urinary System }	34.3	37	1	1	_	7	9	18	1
Pysmia and Septicæmia † Puerperal Fever – Other Zymotic Diseases †	2°3 4°5 2°7	5 2 1	- 1	1 2 1	1 -	2	1	1 -		Diseases of Generative System	4.8	5	-	-		4	1	1	-
Thrush Worms and other Para-)	4.4	1 -	1	-	-	-	-	-	-	Diseases of Locomotive System † }	6.7	7	-	3	2	-	1		1
Starvation, Want of ?	2.7	2	2	-	-	-			- 1	Diseases of Integumen- tary System}	4.2	2		-		-	_	2	-
Breast-milk †	7.8	8	-	-	-	8	4	1	-	VIOLENT DEATHS.§ (Accident.) Fracture and Contusion	23.8	31	-	6	7	6	7	5	-
Rheumatism of Heart † } Rheumatism † Gout	3·3	5 2 5	-		3		1 2	1 8	-	Gunshot Wound Cut, Stab Burn and Scald Poison Drowning	0.5 0.5 3.0 1.9 10.8	1 4 4 10	1 1 1	1	1 5	1 3	1	1 2	1
Rickets † Cancer	4·7 51·9 46·2	6 54 55	43	3 -	1 -	3	30	17	3 -	Suffocation Otherwise	9.4	8 4	8 2	-	-	-	2	-	-
Tubercular Meningitis - Phthiais Scrofula, Tuberculosis -	32·2 159·5 23·9	,25 118 21	18 2 9	3 4	1 12 2	1 54 8	45 1	12 2	1 1 1	(HOMICIDE.) Murder & Manslaughter	1.2	5	1	-	1	1	1	1	-
Other Constitutional Diseases † }  Premature Birth	36.2	10	32	1	1	1	4	2	-	(SUICIDE.)  Gunshot Wound Cut, Stab Poison	0°5 2°0 2°1 2°1	1 1 5	1 1 1	-	27.17	- 1	1 4		1
Atelectasis † Congenital Malforma-	3°0 7°5	6 8	6 7	-	1	-	-	-	-	Drowning Hanging Otherwise	2°1 1°4 0°7	3 3	-	-	1	2	1 2 1	2 -	-
Apoplexy	47.6	36	1	1	-	1.	12	19	27	(Execution.) Hanging	0.0	-	-		-	-	-	-	
Epilepsy Convulsions	9·5 56·8 87·9	61 81	55	5 12	- 4	3	11	1 32		OTHER CAUSES †	84°6	79	73	2	-	1	1	2	-

The numbers in this column are the average weekly Deaths for the ten years 1873-55, rates of y 3 who place to the sevent years average ould not be correctly ascertained, the average for the sevent years 1882-8 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. Will be madical attendant does not certify that the decessed has, or has not, been vaccinated, or when the cause of death is not certified by a register.

ne medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a register raditioner, the case is returned under the heading "no state ment."

The crilence at inquests is often insufficient to enable, the Coroner to certify whether a violent death be the result of accident, murder, analongher, or suicide. All such cases are classed under "accident or negligence."

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scald during the Week en

													dur	ing	the	W ee	k er
				-			The	e DE	ATHS	regis	tered	in th	e We	ekin	elude		
	Enume-			Dea	ths of	1_				Deat	the fr	om				1	1.
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881.	Total Binths	Total DEATHS.	Infants under 1 Year of Ago.	Persons aged 60 Years & upwds.	Small-pox.	Measier.	Scarlot Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteris (or Typhoid) Fever.	Simple con-	Diarrhoa.	Violence.	Inquest Cases.	Deaths in Public
LCNDON	3,815,704	2306	1606	617	320	-	30	9	25	26	-	8	2	258	83	129	358
West Districts	669,688 905,947 282,288 692,788 1,265,148	397 532 122 437 828	278 832 117 836 543	100 111 42 156 208	55 79 20 54 112		5 8 3 3 13	5 1 - 2 1 -	4 6 6 7 -	8 6 2 - 15		9 4	1 1	40 56 21 57 84	9 13 9 19 28	17 81 16 28 37	68 68 44 75 103
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J. Kensington Town Ww - W.M. Brompton H - W.M. & C. St. Peter Hammersmith - W.M.	69688 87880 120141 43010 7599	56 9 61 18	29 15 42 11	8 - 15 2	5 5 11 1	11111	1	11111	1	1	11111		1111	6 1	1	1 1 1 -	3 9 11 5
St. Paul Hammersmith H W.M. & G.J. Fulham Www W.M. & C. Chelsea South HHH - C. Chelsea North-west WHHHHH-C. Chelsea North-east - C.	64340 42900 0396 24925 32807	45 71 18 20 23	28 51 14 14 13	12 25 6 4 8	6 8 5 1	11111	1	4	2	ī ī			111,111	12 1	1 2	2 4	12 12 3 6
May Fair WW G.J. Belgrave WHHH C. St. John Westminster HHH - C. St. Margaret Westminster H - C. St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N R.	80853 59220 85496 24679 29941 16608	6 21 22 5 14	9 16 18 9 6	11 2 3	3 1 4 2		3	111111	11111			1111		2 6 1 2	1 2 -	2 1 1 2 -	6 1
NORTH DISTRICTS.  All Souls Marylebone HHHH — W.M. Cavendish Square HHHHH — W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb, HHH G.J. & W.M. Christehurch Marylebone HH — W.M. St. John Marylebone H — W.M. Hampstead Www HHH N.R. & W.M	26759 14991 24809 21118 33700 33638 45452 29115	7 4 11 28 17 16 26 16	8 4 10 8 12 16 9	32364	21 - 31 5 8		1	1		111111111111111111111111111111111111111	1 1111111 1	111111111111111111111111111111111111111	111111	1 5 1	1 1 - 2	1 1 1 - 3	2 1 1 1 3
Tottenham-court wHHHH N.R.&W.M.   Gray's Ina Lane   HHH   - N.R.   Somers Town   H N.R.   Camden Town   WH N.R.   Kentish Town   W N.R.   Upper Holloway   WWWH N.R.	27729 30247 34369 17811 87487 67946	14 12 23 9 49 46	21 12 14 14 19 37	5 6 7 3 4	3 1 4 7 7 9	111111	1	11111	111111	2				2 1 2 1 1 6	1 1 2 1	2 2 1 3 1	18 5 1 8 5
Islington South-west   HH - N.R.   Islington South-east - N.R.   Highbury   H - N.R.   Stoke Newington   H - N.R.   Stamford Hill - E.L.   West Hackney   H - N.R.   South Hackney   E.L.   E	100976 61895 82048 22781 9277 87610 76911 39883	55 88 85 18 12 15 54 22	38 17 11 7 4 9 45 14	22 4 4 2 - 8 12 8	4 8 3 2 1 1 9 5	1111111	2 1		1 - 8 -	1	1111111111	1	111111111	18 6 2 2 1 8 3	1 - 1 - 2 1	2 5 1 - 2 1 4 1	18
CENTRAL DISTRICTS.  St. George Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North N.R. St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H - N.R. St. Clement Danes H - N.R. Strand Union Workhouse, Edmonton w.	16681 14864 13837 17509 7515 8559	6 5 5 7 1 -	6 10 1 7 4 9	2 2 2 5 ~	1 2 2 1 1	111,111	1		111111	1		111111		3 - 110		1 1 2	3 4 6
$\begin{array}{llllllllllllllllllllllllllllllllllll$	18671 10706 6538 17516 19281 14778 17506 11541 18628 9217 7463	15 4 - 9 8 9 5 8 16 5 3	13 4 6 5 6 8 4 13 4	5 2 2 1 4 8 4 5 1	1 - 1 8 4 -		1		1			1111111111111	1111111111	- 311189	11111111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 9 1 4
Holborn Union Workhouse, Mitcham. w.     St. Botolph H	11174 7193 5358 8896 13666 5652	3 8 8 8 4 -	1 15 2 2 2 -	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1111111	111.1111		1114111			11111111	111111111	1 - 1 1	51	1 6 1	15

NOTE.—The Italia letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Work house H-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving inmates from other Districts than that in which it stand Grand Junction Company; W.M. West Middlesex; C. Cheisea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; R. L. East London; and K. the Kent Company.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sus-district,

							The	DEA:	THS TO	gistor	red in	the	Week	k incl	ude			
	Enume-			Deatl	as of				1	eaths	from						5	20
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTES.	Total DEATHS.	Intents under 1 Year of Age.	Persons aged 60 Years at upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enterio (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS. lywell Shoreditch $-$ N.R. & E.L. Leonard Shoreditch $HL^{\mathbb{N}}$ , N.R. at E.L. tion New Town $w -$ N.R. at M.R. 7376 14967 29937 28036 46275	7 6 22 17 24	1 3 18 14 27	1 2 7 6 11	- 5 2 4		11111	1111	1	11111	1111	1	11111	1 64 53 63 75	1 1 1	1 2 1	7 6	1	
tekney-road H-  een, Bethnal Green WHL*  reh, Bethnal Green -  E.L.  E.L.  E.L.  E.L.	29788 47932 29981 19810	18 42 17 15	8 27 8 10	5 10 3 7	8 -	1	1		1-	1111	1111		1	3 1 2	8 - 1	1	9 -	
italselds E.L. & N.R. le End New Town W - E.L. & N.R. nitechapel Church H E.L. & N.R. dgate E.L. N.R. & E.L.	22585 15478 17490 9713 6102	15 16 16 3 2	3 14 28 2 1	1 6 8 2	2 4	2 1 1 1 7	1 -	11111	68	11111		11111	11111	2 2 1	16	6 - 2	7 18	11,111
George's North - E.L. John, St. George East W - E.L.	88747 - 8410	88	25 10	16 .	2	-	-	-	-	-	- :	-	-	6 2	1,	-	5.	-
adwell HH - E.L. & N.R. tteliff - E.L. E.L. E.L.	10898 16107 32041	9 4 15	13 4 11	7 1 6	1		-	ī -		-	-	1	-	4	1	2	5	
ile End Old Town West - E.L. ile End Old Town East WwwH-E.L.	87960 67658	27 42	18 37	8 21	9	=	-	-	-	-	-	-	-	5	-	2.	6	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	87074 64359 55077	21 38 28	12 26 16	7 10 6	8 3	=	1.1.1	ī	ī	7-1	-	-	-	1 -	1 1 1	1 2 1	9 2	-
SOUTH DISTRICTS.   A S.   L. & S.	13668 14999 21881 15953 21318 26672 - 59555 21623	11 4 14 16 10 21 23 19	3 2 8 13 6 18 22 8	3 1 6 5 1 15 8 2	3 - 5 1	11111111	1 8 -	1	1 1 1	1 1 2 -		11111111	1111111	1 8 1 2 7 1	1	1	3 2 1	11111111
t. Olave WH S. & L. eather Market S. & L. t. Mary Magdalen W - S. t. James Bermondsey - S. otherbithe WH S. & K.	. 15669	5 11 9 84 21	8 10 6 20 21	4 3 6 3	2 3 9	1 1 1 1	- 1	11111	11111		11111	1	11117	3 1	1 2	1 - 1 2	7 2 10	1 1 1 1
Vaterioo-road 1st   H -   L. & S.   Vaterioo-road 2nd   H -   L. & S.   L. & S.   L. & S.   L. & S.   L. & S.   L. & S.   L.   L.   L.   L.   L.   L.   L.   L	35832	6 20 12 31 21 12 28 10	6 4 25 31 15 6 19 3	4 2 10 13 9 1 5 2	2 6 2 7 -		111111	11111111	3 -		1111111		1	1 1 4 7 2 -	1 1 -	5 - 1	1 16 11 -	1111
ast Battersea	54675 52587 86380 28004 13235 25553	50 43 16 83 7 12	20 33 14 8 5 5	9 18 4 1 8	5 4 4 - 2	111111	1 -	11111	11111	1 1 - 1	111111		11111	11 2 - 2 -	1	1 3 -	7	11111
ulwich	71089	48 38 85	1 31 28 23	1 5 9	12 3 5		1 2 -	-	1 -	4			1 - 1 - 1	2 7 3	2	3 -	19 3	-
t. Paul Deptford ww - K. t. Nicholas Deptford - K. treenwich West H - K. treenwich East WHH - K.	76752 7901 21972 24608	(4 4 18 20	40 2 10 20	18 - 4 5	5 1 2 5	11.22	1 1 1	1111	1111	-	1111	1 -		7 - 2 -	1 2 1	7 1 2 3	1 - 9	2
Sitham H K.  see H K.  wisham WH K.  ydennam H L.	5048 21559 19865	1 8 9 21	1 10 9	1 2 2	- 2 5					1111		1111		- 2	ī	1	4 -	-
hariton H K. Woolwich Dockyard K. Woolwich Arsenal HH K. Plumstead, West H K. Plumstead, East W K.	10980 17617 19048	18 7 15 7 31	6 3 4 2 13	1 2	1 2 2 - 3	1 -			1111		11111	1			1	-		3
Vetropolitan Asylum Hospitals: Darford w Winchmore Hill w Plaistow w		=	-	-	-	-	-	-	-	-		-	-	-	1 - 1	-	-	-

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the Workhouse in Bromley sub-district.

Central London Sick Asylum. in Tottennam Court-road sub-district.

Central London Sick Asylum. in Tottennam Court-road sub-district.

In Upper Hollows; sub-district.

Hostorn "Hagney sub-district.

Houdon City Workhouse"

House Kew Town sub-district.

House Kew Town sub-district.

House Kew Town sub-district.

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Stepney Workhouse in Bromley sub-district.

Poplar & Stepney Sick Asymum
Westminster Union Industrial School in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.

Metropolitan Asymum District Hospitals in Faibam, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during

Regis-		Area							The D	EATHS	regist	ered la	a the '	Week 1	nelude		1
tration		in Acres,	Enume-			Deat	hs of				Death	s from					
District	REGISTRATION	inolu- ding	rated	H8°	DEATHS	-	.80 rds.			1.		Whooping-cough.				i	Publicone.
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS	EA	Age	aged k upw	н		Fever.	in.	8-60		à		Inquest Cases	Deaths in Pub
Num-		and	1881.	В	Α .	ar of	ons sur	11-po	sles,	let F	Diphtheria	пидос	er.	Diarrhoss.	Violence,	nest	the
bers.		Fore-				Infants under Year of Age.	Persons Years	Small-por.	Measles	Searlet	Dip	Who	Fever	Dia	Viol	Ingi	Dea
LON	NDON-OUTER RING	370,924	950,957	710	344	103	72	-	3	3	6	5	4	29	15	28	33
	10011		200,007														
80:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	15 4	9	-	1 2		-	-	-	-	· ·	-	-	9	6
37:1	Godstone (part of) * -	2784	1235	2			_	-	-	-	-	-	-	-	-	-	-,
38:1	Croydon WwHHL -	20851	101241	63	28	4	6	_	1			1	-	2	2	2	8
2	Mitcham w +	11697	17932	19	2	2	-	-	-	-		-		. 1		- 2	-
89:1	Wimbledon HHH -	3220 8549	15950 36354	8	10	1	2 3	-	-			-			1 -	-	1
8	Kingston WHH Esher (part of) * -	6601	9221	8	6	1	8	-	-	-	-	1	-	-		-	-
4	Hampton H	4873	13589	7	4	1		-	1	-	-					_	1
40:1	Richmond WH Mortlake	2272 2911	21302 12331	9	8	4	1		1	_		-		2	1	2	-
43:1	Bromley (pt. of) * HH	15669	81142	15	8	8	2	-	-	-		-	-	-		1	-
2	Chishrst(ptof)* WHH	14307	15844	16	8	1	1	-	-	•		-	-	1		-	1
42:1	Bexley H ~ Dartford (Ww, pts. of)*	13437	24134	16	8 -	2 -	8 -		-	-	-	-	-	- 1	1	1 -	1 -
124: 1	Sunbury w	11055	11685	8	1		1	-	-	-	-	-	-	H	-	-	-
2	Staines W	18277	12089	6	8	1	-	-	~		-	-			-	-	
125:1	Hillingdon WHH -	6029 6178	10802 3225	4 3	1	-		-	-			-	-		_	1	1 -
8	Uxbridge Hayes wHL	14587	11528	4	1	-	-	-	-	-	-	-	-	-	-	-	-
126:1	Isleworth WHH -	7008	22727	24	7	-	3	-	- 1	-	-	-	-	-	1	1	2
2 3	Twickenham H Brentford HL -	2477 4845	12479 27649	6 14	5	-	1 2	-	_		-	-	-	-	_	2	
4	Chiswick	1340	15975	10	6	2	-	-	- 1	-	-	-	-	1	2	2	-
8	Acton wH	6088	22376	10	11	4	3	-	-	-	-	1	1	- 1	1	1	-
127:1	Harrow H Edgware H	13809 6994	12796 3749	9 2	8	2	1	-	-		-	-			-	-	-
8	Willesden	4383	27458	34	11	8	-	-	-	-	-	- 1	-	8	1	2	-
4	Hendon W	8382	10484	6	2	1		-	12	,-	-	-	-		-	-	1
137:1	Bushey Watford (W, pt. of)* -	9331	6621	8	1 -	-	1 -	-		-	-		-		-	-	-
128:1	South Mimms	15599	6391	2	1	-	1			-	-	-	-	-	-	-	-
3	Barnet	5433	10092	5	4	-	2	-	~	-	-	-	-		1	1	-
185:1	Finchief HL Hatfield (part of) * -	4688 3306	17615	6	5		2									1	3
129:1	Hornsey H	3039	37078	27	15	2	6							1		1	
2	Tottenham H	4642	46456	63	30	18	8	-	-	-	1	-	1	4	-	-	2
8	Edmonton Ww ‡ - Enfield WH	7483 12653	23463 19104	26	14	8	2	-	-	-		-	-	-	2	8	2
5	Waltham Abbey	11017	5368	19	7	2	3 -	-	-			1	-	1 -		-	-
6	Cheshunt	8490	7785	8	2	1	-		- '	-	-	-	-	-	-	-	-
186:1	Stratford West Ham wwwwH§-	882 7351	38606 101053	24 109	18	6	1		-	-	-	-	1	2	- 1	-	-
8	Leyton WwL	4372	32430	89	21	13	5 7		ũ	2	8	-	1	8 5	1	2	3
4	Waithamstow H -	6520	28869	29	18	8	2	-	~	-	-	-	-	2	-	-	-
187:1	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9669	5 -	2	-	1	-	-	-	-	-	-	-	-	-	-
189:1	Romford (part of) * W	6730	3411	1		_	_	_		_	-						-
2	Ilford	8498	7645	8	5	2			-	1	_	_	-				_

<sup>\*</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are a tone 30:2. Epsom and-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone district; 39:5. Esher sup-district, except the parish of Esher (pop. 1933); 41:1, Bromiey sup-district, except the parish of Chelsfield (pop. 1818); 14:2, Chiseurst sup-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Har sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375): 189:1, the parish of Dagonbam in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42.2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5 Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

BLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 13th July, 1889.

			ANNUA	L RATE			The DE	ATHS	regis	tered	in th	ne W	e <b>ek</b> i	nelude	3	
	Area in Acres,	Estimated		TALITY 0 living.	DEATHS.	Deat	hs of			I	Death	s from	n			Public jons.
REATER LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
TER LONDON	448,334	5,642,015	18.0	3.8	1950	720	392	-	33	12	31	31	14	287	98	391
NUB LONDON -	77,410 870,924	4,351,738 1,290,277	19·3 13·9	4·3 2·0	1608 344	617 103	320 72	-	30	9 3	25	26 5	10 4	258 29	83 15	358 33

E.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,612,869 Persons.

					Ì	ANNUAL	DE	ATHS	FROM	ISEAS	ES.	ZYMO	_
Cities.	POPULATION (enumerated or estimated).	DA' of Re Week	TURN.	BIRTHS.	DEATHS. f Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
CUTTA	433,219	May	18	_	229	27.5	1	_	-	-		61	64†
	773,196	June	11		-	-	-	_	-	-	-	-	-
DRAS	398,777	May	17	334	377	49.1	-	66	ş	5	5	78	69†
						2010		16	1	39*	11	11	115
IS	2,260,945	July	6	1149	907	20.9	3	10	1	99	2	1	42
8 Faubourgs.)	471,606	19	в	254	179	19.7	-					1	32
ITERDAM -	403,083	93 1	6	235	198	25.7	-	3	-	3	4	7	7
TERDAM -	197,723	99	6	112	95	24.9	-	5	-			1	1
HAGUE .	153,440	93	6	105	76	25.7	-		na.	-	1	-	1
ENHAGEN -	307,000	June	29	198	128	21.8	-	-	1	6	4	1	25
CKHOLM -	228,218	33	29	140	94	21.4	-	-	-	1		7	43
- AIMAITSIS	138,300	July	6	71	77	29.0	-	-		7	2		22
PETERSBURG	842,883	June	29	-	553	34.2	-	7	15	5	4	23	123
STIM	1,470,582	99	22	861	1195	41.8	-	1	2	18	2	-	674
MBURG(State)			29	418	285	25.9	-	-	1	8*	2	2	79
ESDEN	264.196	22	, 29	164	130	25.6	. 8	-	1	3*	5	1	41
ESLAU	315,000	July	6	240	302	50.3	-	5.	1	7*	3	- :	105
NICH	281,000	June	29	194	157	28.7	3	2	3	7*	-	- 1	49
INNA	811,434	23	29	528	388	24.9	-	6	2	5	1	2	54
AGUE	304,356	93	29	-	145	24.6	4	1	5	1	2	-	8
DA-PESTH -	452,907	99	29	334	305	35.0	-		2	8	3	4	65
CESTE	158,084	33	29	<	. 56	18.4	-	-	1	1*	2	-	2
MH .	461,044	May	25	207	159	20.6	1	1	-	6*		1	5
RIM (10 days)		June	10	280	209	24.9	-	17	2	5	10	1	15
NICH		33	22	85	79	26.9	4	-	-	-	-	2	7
IRO	374,838	15	13	328	394	54.9	5	9	-		2	21	154
EXANDRIA -	231,396	19	13	184	179	. 40.4	2	-	-	-	1	9	45
W YORK .	1,549,500	21	22		760	25.6	-	5	9	32	8	6	142
COOKLYN .		99 -	22	80	454	28.8	-	-	7	17	6	3	100
CLADELPHIA .		3)	22	-	400	20.2	-	6	10	6	1	17	41
LTIMORE	WAS 0.10	D	22	-	228	23.8	-	1	2	2	-	6	69
					1	1	11						-

<sup>\*</sup> Including deaths from croup. † Including 45 deaths from cholera in Calcutta, and 9 in Madras.

Table 9.-METEOROLOGICAL OBSERVATIONS taken at the Roxal Observatory, Greenwich, during the Week ending Saturday, 13th July, 1889. Under the Superintendence of the Astronomer Royal.]

of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean rading of the dry bub thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air symbols employed are: -- P. positive; N. negative; w. weak; m. moderate; s. strong; and ne of the barometer decreased from 29.70 in. at the beginning of the week to 29.55 in. the 7th; increased to 29.71 in. by 3h. A.M. on the 9th; decreased to 29.42 in. by 3.5 2.0 sea; no The means of the converted into mean daily values by the application of corrections deduced from a discussion column 8). The mean daily dew point temperature and degree of humidity are deduced bulb thermometers by Glaisher's Hygro-The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average. The thermometers in the water of the Thames are suspended at a depth of two feet below The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the 15.8 2.0 the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptiord, and eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, their readings are registered by the Clerk of the Market, under instructions from Corporation of London. The record of Electrolity is derived from Thomson's self-registering Electrometer. Sum 0.72 The height of the cistern of the barometer is 159 feet above the mean level of the in. 0.10 of the air from a discussion of the anemometric records for the 16 years ending 1875. Average 95 26 +131 -124 Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. Miles. Sum 1375 24 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. 0.0 .ps. 0.0 Pressure on the Square Foot. o.o 0.0 0.0 0.0 0.0 from the mean daily values of the dry and wet lbs. 8.0 0.2 est. civil day, or from midnight to midnight. W. & WNW. SE. & SW. SW. & SSW NE. & SE. WSW. & SSW. S. & SSE. E. & SE. P.M. SE. 20 General Direction. 3 ENE. & WSW. & W. SW. & ENE. W. W. W. S. W. SW. E. & SW. SSW. & S. A.M. 19 metrical lables. of the Water of the Thames at Deptford. LOW. est. TEMPERATURE. est. Grass, 8.8 6.49 20.0 8.44 51.5 53.0 Of Radiation. 53. eloud night. Overcast and showery in morning; fine but partially cloudy in afternoon; generally overcast afterwards, with occasional rain. Distant thunder in Occa-Overcast and showery in morning; fine but par-tially cloudy till evening; overcast with rain at night. Sun's Rays. 16.0 132.2 27.8 14.7 Overcast in morning; variable amounts of afterwards; showery till evening; fine at n Distant thunder between lh. P.M. and 3h. P.M. Very fine till midday; generally cloudy but sionally fine afterwards. 89 80 14 GENERAL REMARKS. 8.8 0.0 7.1 Generally overcast; frequent rain. Difference between the Air Temperature and Dew Point 13 Fine generally; partially cloudy. remperature. 8.5 8.91 6.81 4.91 6.71 13.8 est. 12 Overcast with rain in fine till afternoon; cloudy slight showers. 0.11 6.6 7.9 Of the Dew Point. Mean daily value. 53.5 8.99 53.7 2.09 58.8 9.99 53.7 59.4 0 10 De-parture from 0 7 5.6 0.7 6.0 0.1 1.8 8.0 + + ÷ + TEMPERATURE 2.19 9.89 Registered Sun above Sunshine, Horizon, in hours. in hours. 64.5 64.3 0.89 Sum 113.8 61. .79 16.2 16.5 16.5 16.3 16.3 16.3 16.3 Of the Air. 17.2 15.0 9.91 8.01 25.7 9.91 4.91 -2.2 0.5 2.4 6.99 54.3 6.49 0.49 57.4 26.3 Low-52.1 28.1 est. 9 0 72.9 65.1 0 C was not in action throughout the week. (For explanation of symbols, see Note.) Mean daily rending ELECTRICITY. rected and reduced to such the such that the su 608.66 219.67 29.649 29.507 -in-799. 29. Dec. S. of the 6 MONTH AND 1889. No. of Col. WEDNESDAY DATE. DAY. MEANS THURS. TUEBDAY TUES. WED. MONDAY SUN. MOK. SUNDAY FRIDAY

#### OFFICIAL COPY.

#### RETURN WEEKLY

#### DEATHS LONDON ΙN AND BIRTHS

## TWENTY-SEVEN OTHER QREAT TOWNS.

## By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 29. 1889. Vol. L.]

WEEK ENDING SATURDAY, JULY 20.

Price 1 d.

General Register Office, Somerset House, 22nd July, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21.0 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending				Weeks	ending	
Towns.	June 29.	July 6.	July 13.	July 20.	Towns.	June 29.	July 6.	July 13.	July 20.
Brighton - Bristol -	15·5 22·4 19·6 16·4 13·7 13·0 18·5 15·9 22·5	14·3 15·1 15·0 19·1 11·6 15·5 19·4 13·8 18·0 17·4 20·1 26·9	22·9 15·9 16·4 20·8 19·6 20·6 12·9 22·3 25·8	24·3 15·5 18·2 19·3 12·0 15·5 17·6 15·4 16·7	Manchester - Newcastle-on-Tyne* Norwich - Nottingham - Oldham - Plymouth - Portsmouth - Preston - Salford* - Sheffield - Sunderland -	15·2 25·9 21·4 14·9 17·6 18·0 16·3 23·5 20·3 16·9 24·9	16·2 25·3 29·2 19·9 11·2 12·1 20·0 15·9 29·0 24·9 18·0 21·0	24·6 19·3 26·7 31·8 16·0 20·4 20·5 24·0 22·5 30·5 26·7 23·3 30·3 14·5	$\begin{array}{c} 18 \cdot 7 \\ 29 \cdot 9 \\ 26 \cdot 9 \\ 16 \cdot 0 \\ 18 \cdot 2 \\ 14 \cdot 7 \\ 21 \cdot 3 \\ 19 \cdot 2 \\ 38 \cdot 1 \\ 25 \cdot 6 \\ 20 \cdot 4 \\ 26 \cdot 8 \end{array}$

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.9 in Leeds, 3.2 in Halifax, and 5.5 in Preston; from scarlet fever, 1.3 in Salford, and 2.0 in Plymouth; from whooping-cough, 1.2 in Sunderland, and 2.0 in Bradford, in Preston, and in Birkenhead; and from diarrhæa, 4.0 in Sheffield, 4.4 in Portsmouth, 4.6 in Nottingham, 4.7 in Manchester, 5.1 in Sunderland, 5.7 in Birmingham, 5.8 in Liverpool, 6.1 in Birkenhead, 6.6 in Leeds, 7.4 in Salford, 9.0 in Preston, and 9.4 in Leicester. The rate from "fever" did not reach 1.0 per 1,000 in any of the twenty-eight towns. The 36 deaths from diphtheria in these towns included 23 in London, 4 in Birmingham, 3 in Salford, 2 in Manchester, and 2 in Plymouth. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2627 BIRTHS and 1556 DEATHS were registered. Allowing for increase of population, the births were 134, and the deaths 227, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had increased in the four preceding weeks from 14.9 to 19.3, declined again last week to 18.7. During the first three weeks of the current quarter the mean death-rate was 18.1 per 1000, and was 2.1 below the mean rate in the corresponding periods of the ten years 1879-88.

The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been minimal since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

The 1556 deaths included 29 from measles, 12 from searlet fever, 23 from diphtheria, 29 from whooping-cough, 6 from enteric fever, 274 from diarrhea and dysentery, 10 from cholera and choleraic diarrhea, and not one from smallpox, typhus, or ill-defined forms of continued fever; thus, 383 deaths were referred

to these diseases, being 124 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 9; and no small-pox patient was under treatment during the week in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had been 33, 31, and 30 in the three preceding weeks, further declined last week to 29, and were 28 below the corrected average; 3 belonged to Newington, 4 to Camberwell, and 3 to Greenwich sanitary areas. The 12 deaths from scarlet fever showed an increase upon the low numbers in recent weeks, but were 20 below the corrected average; 2 belonged to Fulham, 2 to Chelsea, and 2 to Hackney sanitary areas. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 623 searlet fever patients against numbers increasing from 559 to 602 in the three preceding weeks; 92 cases were admitted to these hospitals during the week, against numbers increasing from 33 to 91 in the five previous weeks. The deaths from diphtheria, which had been 38 and 25 in the two preceding weeks, further declined last week to 23, but exceeded the corrected average by 6; 5 belonged to Paddington, 2 to Kensington, 3 to Bethnal Green, 3 to Stepney, and 2 to Lambeth sanitary areas. The 29 fatal cases of whoopingcough, exceeded the number in the previous week by 3, but were 24 below the corrected average; 15 belonged to the sanitary areas of South London. The deaths attributed to diarrhaa and dysentery, which had increased in the eight preceding weeks from 13 to 258, further rose lost week to 274, but were 41 below the corrected average; 221 were of infants aged under one year, 40 of children aged between one and five years, and 11 of persons aged upwards of 60 years. The deaths of 9 children and one adult were referred infantile cholera or choleraic diarrhœa.

The deaths referred to enteric fever, which had been 8 in each of the three preceding weeks, declined last week to 6, and were 5 below the corrected average. The Metropolitan Asylum Hospitals contained 30 cases of enteric fever and not one of typhus on Saturday last; 2 cases of enteric fever were admitted during the week, against 5, 2, and 9 in the three preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 143 and 158 in the two preceding weeks, declined last week to 141; they were 45 below the corrected average, and fewer than in any previous week of this year.

Different forms of violence caused 43 deaths; 34 were the result of negligence or accident, among which were 8 from fractures and contusions, 5 from burns and scalds, 11 from drowning, 2 occurring during the administration of chloroform, and 7 of infants under one year of age from suffocation. The 8 deaths from fractures and contusions were thus caused:—3 by accidents from vehicles in street; 1 by accident on railway; 1 by fall from empty cart; 1 by fall from roof; 1 by fall from cradle; 1 by fall in house. An inquest was held in each of these 8 cases. Five cases of suicide were registered, the corrected average being 9.

## GREATER LONDON.

In Greater London 3482 births and 1876 deaths were registered, corresponding to annual rates of 32.2 and 17.3 per 1000 of the estimated population. In the Outer Ring 37 deaths from diarrhea, 10 from diphtheria, and 10 from whocping-The fatal cases of diarrhœa included 7 in West Ham, cough, were registered. 4 in Willesden, 3 in Croydon, and 3 in Tottenham sub-districts; and 5 of the 10 deaths from diphtheria occurred in West Ham sub-district.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.68 ins.; the highest reading was 29.77 ins. on Thursday at noon, and the lowest 29.53 ins. at the end of the week. The mean temperature of the air was 58.77, and 4.7 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, the coldest days being Tuesday and Wednesday. The general direction of the wind was S.W., and the horizontal movement of the air averaged 9.0 miles per hour, which was 0.6 miles below the average in the corresponding weeks of 16 years. Rain fell on four days of the week, to the aggregate amount of 0.43 of an inch. The duration of registered bright sunshine in the week was 28.1 hours, against 29.2 hours at Glynde Place, Lewes.

· See note on first page of this Return.

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	CITIES	AND BOROUGHS,	Cols.	- 98 Towns	Townow.	BRIGHTON.	FORTSMOUTE.	Norwich.	PLYMOUTH. Brishor	WOLVERHAMPTON.		LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	Borron.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURN.	PRESTON.	HALIPAX.		LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.		EDINBURGH.	GLASGOW.	Domes
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	POPULATION	estimated to the middle of the Year 1889.		-	9,555,406	4,351,738	121,807	141,253	94,510	229,361	82,544	454.835	150,520	287,812	98,529	102,541	606,562	114,670	378,800	284,283	142,405	121,276	468.66	81,080	925 056	357,449	827,227	208,017	184.193	160.983	112,712	2000	200,200	353,082
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Table 2. LONDON.—Births and Deaths Registered in the Twenty-Ninth Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1883	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births Males Females .	2488	2595	2451	2453	2559	2669	2423	2572	2724	2385	2760·9	2627
	1251	1303	1923	1288	1316	1870	1297	1338	1401	1242	14:0·7	1341
	1237	1292	1228	1165	1213	1299	1126	1234	1323	1143	1340·2	1286
Total Deaths  Males Females .	1190	1482	1943	1321	1781	2007	1636	1716	1977	1297	1782·9	1556
	608	799	1014	676	976	1025	849	895	1050	681	927·2	816
	<b>5</b> 82	683	929	645	875	982	787	821	927	616	855·7	740

The numbers in this column are the average weekly numbers in the twenty-ninth weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population.

TABLE 3. L()NDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

								_					TEEN	AA E	31101
-			Apr. 27.	May 4.	May 11.	May 18.	May 25.	June 1.	June 8.	June 15.		June 29.	July 6.	Jul 13	
TOTAL	Births		2522	2712	2565	2648	2402	2405	2523	2396	2636	2467	250	230	3 2627
TOTAL	Deaths	- •	1462	1386	1295	1231	1267	1151	1306	1247	1245	3 1265	1350	160	1556
Ages at Death	$\begin{cases} 0-20 \text{ ye} \\ 20-40 \\ 40-60 \\ 60-80 \\ \text{at 80 year} \end{cases}$	ears -	708 171 256 264 63	626 184 266 258 52	577 175 251 245 47	571 169 205 232 54	6( 8 152 221 224 62	506 143 209 237 51	604 186 245 234 40	564 173 227 236 47	575 180 218 225 45	179	722 168 221 205 84		161
12	Under 1 : 1—5 5—20	year -	361 273 74	309 246 71	287 218 72	267 225 79	301 222 85	242 181 83	306 205 90	293 184 87	281 203 91	315 189 68	429 208 85	617 196 89	631 197 80
Douths fr	om Small-1	no <b>x</b>													
27	Measle		65	68	60	53	47	31	39	-	-	-	-	-	-
",	" Scarlet	fever -	9	15	10	7	16	4	12	32	23	33	31	30	29
9)	" Diphth		29	21	23	24	21	16	34	26	27	13	38	9	12
,,		ing-cough	56	55	37	36	48	49	26	37	27	27	38	25	23
22	" Typhus		-	-	-	-	-	-	_	-	-	-	32	20	29
39%	" Enterio	c rever - Contafeve	3	5	5	7	5	9	3	8	7	8	8	8	6
	D: 1.1		1	2	4	,1	1	-	4	2	-	1	_	2	_
,,		ntery -	18	12	10	14	13	14	19	34	40	57	155	258	0 111
	" Cholera		-	_	-	_	1	-	1	1	1	1		1	274
"		above-	181	178	149	142	152	123	138	150	-	-	5	10	10
							202	120	100	150	141	149	278	368	383
,,	tory	Respira- } y System }	305	242	213	217	177	162	205	169	171	169	143	158	141
	, Phthisi	Circula-)	164	143	125	137	148	144	174	162	155	137	138	128	136
"		System (	119	154	134	97	98	101	97	106	123	99	94	117	102
Violent D		ojotom,	69	55	66								01	114	103
Inquest C			116	107	125	51 85	48	55	58	48	53	39	51	83	43
	Public Ins	titutions	331	315	310	311	342	104	91	109	105	90	90	129	83
	TURE OF TH						314	250	020	290	324	314	280	358	348
J. ean	CAR OF T	DE AIK	47.5	50.8	57.7	54.0	61.9	55.7	010	F3.0		0	0		_
Mean o	Highest re		57.8	61.9	67.9	64.5	75 1	64.9	64.3	53.8	59.6	64.1	63 3	63.0	58.7
	Lowest re		39.1	41 5	49.1	46.7	50 8	48.0	53.4	51.7	72.4	77·1 52·1	74.6	72.9	69.9
dumidity	of the Air		80	79	77	85	77		- 1					56.2	51.3
Rain-fall i			0.75	0.79	0.71	0.19	0.51	82	73	89	76	71	71	80	80
	Sunshine (	(in hours)	31.3	39.8				- 1		1	0.00		0.00	0.72	0.43
in gratered	- Cansille (	(III nours)	01 3	09 6	31.9	27.7	49.1	47.2	50 1	3.3	65.3	54.1	51.3	23.0	28.1
								-	-	-	-	1000			

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations. (See Table 1.)
and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John.
Merrifield, Esq., LLD., Plymouth: R. C. Cam Lippincott, Esq., Bristol; F. Smipson, Esq., Wrottesley, Wolver,
ham plon: Henry Tomkins, Esq., M.D., Leicester; Arthur Ecown, Esq. and B. A. Whitelegge, Esq., W.D., NottingF.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., M.R.C.S., Preston; J. McLandsborough, Esq.,
Sangerland; and Wm. Lyall, Esq. Newcastle-on-Tyne.

TABLE 2. LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the

CAUSES OF DEATH	TABLE 4. LOS	ADOM.		14.1.	Tw	ENT	Y-N	INT	H W	7eel	of the Year 1889.									_
CAUSES OF DEATH.		the		In	the	Week 20th	Jul	ling y 188	9.			r the		Satu	n the	Wee 20th	Jul	y 188	9.	
All CAUSES		for 0 year			aths	of Pe	37801					es for		De	aths	of Pe	ersor	as of		
All CAUSES	- 1	rages the l 88.		1			. 1	.0.	.00	-	CATIONS OF DEATH	rerag of the 19-88.		τ		-				Trig
All CAUSES - 1783-9 1556 631 107 80 164 107 266 43  Simil- (Vascinated)	CAUSES OF DEATH.	Ave ks of 1879-	.8				ider 4	der 6	H	ds.	CAUSES OF DERIM	eeks	ES.	-	20.	-	under	nder	under	rids.
All GAUSES - 1782*9 1556 631 107 50 165 107 264 42  Small- (Vaccinated)		Wee				0			nd ur	Year		th W		1.	9.		and	and	and	X 68
Special Sense   Fig.   Special Sense   Fig.   Special Sense   Fig.   Special Sense   Fig.   Special Sense   Fig.   Special Sense   Special S		Corr 29th	ALL	0-1	1-6		20 a	4() a	60 a	200		S 2	A	-		5	50	40	100	20
Masslet	ALL GAUSES	1782.9	1556	631	197	80	164	197	245	42	Diseases of Organs of Special Sense † }	2.4	2	1	1	-	-	-	-	-
No Statement		3 0.45	-	-	-	-	-	-	-	-		95.5	102	1	1	5	16	27	45	7
Saszlet Fever	nov )	) (	-		-	-	-	-	-	_	System)		-	,	-					
Taylon		1 :				4	-			-	Bronchitis	94.3	71		12	-		8.		1
Reliancian   Pere		1	-				-	-	-	-	Pneumonia	55.3	3		1	-	-	-	1	1
Manual			-	-	-		-	-	-		Other Diseases of Respi- }	20.2	16	1	8	2	1	1	5	1
Non-point-congent	Influenza		- 20	18	-	_				- 1					-			-	-	-
Simple Continued and   1-3		1 .					2		-	-	Dentition †	1.4	3	-			-		-	-
Compose   10   5		1		-	-			-	_	-		7.6	12	19	1	3	1	8	3	
Refere   Fever   11/3   10   6   3   - 1   - 1	Ill-defined Fever -)	1	R		-	5	1	-	-	-	Diseases of Liver	36.7	_	_	-					1
Distances of Tymphatics   1-7   3     1   1   1   1   1   1		į.		6	3	_		-	1		Digestive System -}	83.5	0,	10				-		
Remittent Perert		1	274	221	40	1	-		7	_	Discours of Lumphotic								L	
State   Stat	Remittent Fevert	1				H				-	System & of Ductless >	1.7	3	-	-	-	1	1	1	
Diseases of Unitary   Size   At   At   At   At   At   At   At   A				-	-		-	1	-	-	Gianas j		-		-					-
Vacceal Affections	Cowpox and Effects of	0.2	-	-	-		_	-	-	-	Diseases of Urinary	32*4	43	-	-	3	12	14	14	-
Ergipelas   1	Vaccination † J	15.0	10	5	1	· _	2	1	1		System)			!	-	-	-		-	-
Pysmis and Septiesmin   3'3   3   1   -   2   -   -   -   -   -   -   -   -		3	4	1		1	ļ	-	2		Diseases of Generative	7.7	2	-	1	-	-	1	-	-
Other Zymotic Diseases † 2.6				1	-	-	-	2	-	_	System		-	-	-	-	-	-	-	-
Cheez Zymbus Diseases   Cheemotive   Cross   Cross   Cheemotive   Cross   Cro		0.0		1	-			-	_			-		1						
Norms and other Para-   Starvation, Want of Breast-milk	Other Zymotic Diseases		-	-	-			-				6.8	14	1	1	5	5	1	1	-
Starvation, Want of Bresss-milk f			1		-	-	-	-	-		Discourage of the same of the			1	1.		,			
Breast-milk †   4'1   7   5   2		0.2		-	-	_	Ŀ	-		-	tary System -	6.3	6	2			-	-	-	
Alcoholism 4'1 7 5 2	Starvation, Want of	2.6	3	3	-	-	-	-	-	-	WIOTENT DEATHS		1							
Rheumatic   Fever,   S 2		4.1	7	-	-	-	5	2	-	-										
Rheumatism of Heart† Rheumatich Rheumati											Fracture and Contusion		8	1	1	2	2	-		-
Rheumatism † - 28 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Rheumatic Fever,	5.2	4	-	1	1	1	1	-	-	Cut. Stab	0.4	=	-	-	-	-	-	-	:
Gout		2.3		-	-	-	-	-		1	Burn and Scald	2.2	1	1 -			-	1 2	-	-
Cancer				15	-		-	1	1		Drowning	9.9	9	7	-		-	1	1	-
Tabes Mesenterica						1	6	17	25	2		3.9	-			-		-	-	-
Phthisis		3			4		1		-	-	(Horrary)									
Serofula, Tuberculosis - 23'1   13   6   3   1   1   1   1   1   1   1   1   1							00		9	1	12	1.1	4	1	-	-	-	1	2	-
Other Constitutional Diseases †         9:1         9         -         -         8         1         5         -         (SUICIDE.)           Premature Birth         -         88:2         47         47         -         -         -         -         1:7         1         -         -         1         -         -         1:7         1         -         -         1         -         -         1:7         1         -         -         1         -         -         1:7         1         -         -         -         1:7         1         -         -         -         1:5         1         -         -         -         1:5         1         -         -         -         1:5         1         -         -         -         1:5         1         -         -         -         1:5         1         -         -         -         -         -         -         -         -         -         1:5         1         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - </td <td></td> <td>0017</td> <td></td> <td>_</td> <td>_</td> <td></td> <td></td> <td></td> <td>1</td> <td>-</td> <td></td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td></td> <td></td> <td>1</td> <td></td>		0017		_	_				1	-			-	-	-	-			1	
Premature Birth - 88'2 47 47	Other Constitutional	- 1			-	-	8	1	5	-		0.8	2	1.		-	1		-	-
Premature Birth			1-				-		-		Cut, Stab	1.7	1	١.		-	-	1	-	=
Congenital Malforma-	_			-	- 3	-			-	1	Drowning	2.0	1	1 -				-	-	-
tions				-			,		-	-			-	1		-		-	-	
Apoplexy 36'3 40 5 15 17 3 Hanging 0'0	tions	5							26	18										
Epilepay 6'3 8 2 - 5 1 Convulsions - 62'2 59 53 5 1 2 Convulsions - 62'2 59 53 5 1		36:3	41			-		5 13	17	3	11	0.0	9		-   -	-	-	-	-	-
Other Diseases of Brain and Nervous System 78 18 11 8 4 14 22 3							- 1 :		- 5	1										
and Nervous System	Convulsions			-		1				-	OTHER CAUSES † -	- 87°0	89	7	6 6	-	1	- 4	8	-
			78	1					į.		1		1	1		-		at a		1

The numbers in this column are the average weekly Deaths for the ten years 1879-38, ruised by 9'045 per cent for increase of population.

As the ten years average could not be correctly ascertained, the average for the seven years 1882-3 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered retitioner, the case is returned under the heading "no statement."

It is evidence at inquests is often insulticient to enable; the Coroner to certify whether a violent death be the result of accident, murder, Insulator, or smidde. All such cases are classed under "accident or negligence."

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarl E

TABLE 5. LONDON.—I OI ULAII													dur	ing	tne	Wee	n en	ai U
							The	e DE	ATH8	regis	tered	in th	e We	ekin	elude			
	Enume-			Dea	ths of					Deat	ths fr	om				-	0	98
REGISTRATION	rated Popu-	50	0.	1 .	. 60 wds.			1 .	1	ngb.		OVER.	BE.	1		1 10	Public ns.	Causes
SUB-DISTRICTS.	lation,	BIRTES	DEATE	under f Age.	aged a	OK.		Fever.	ria.	18-0	١.	Fel Sea	1 >	98.	1 0	Cases	in	
	1881.		Total L	Infants u	Persons Years	Small-pox.	Measles	Searlet 1	Diphtheria	Whooping-cough	Typhus.	Enterie (o	Simple con-	Diarrhose.	Violenes,	Inquest	lastitutions.	Uncertitled
		Total	To	Infs	Per	Sm	Me	3868	Dig	N N	Ty	En	Sin	ia	<u>- 12</u>	In	De	Co
LONDON - · ·	3,815,704	2627	1556	631	287		29	12	23	29	-	8	-	274	43	83	-349	
West Districts	669,638	892	295	122	44	•	4	8	7	3	-	2	-	54	8	13	81	2
North Districts	905,947	612	346	138	66	-	6 2	4	9	8	-	1 2	-	13	8	20 5	71 32	1
CENTRAL DISTRICTS	282,288 692,738	187	296	37	61	-	4	1	8	2	-	1 7	-	95	11	21	86	1
SOUTH DISTRICTS - POS-)	1,265,148	954	515	218	. 94	_	13	2	4	15	-	1	-	-	-	-	78	12
London		-	-		-				-	-	-	-	-		-	-	-	-
WEST DISTRICTS.  St. Mary Paddington WHH G.J. a.W.M.	89888	49	88	22	4	-		-	2	-	-	-	-	12	1	9	6	-
St. John Paddington H - G.J.  Kennington Town Ww W.M.	\$7830 120141	10	39	12	2 8	-	-	-	1	-	-	-	-	8	1	2	10	-
Brompton H W.M. & C.	43010 7599	19	10	5 2	3	-		_	-	-	-	-	-	- 8	- 2	- 2	- 4	-
St. Paul Hammersmith H W.M. & G.J. Fulham Wow - W.M. & C	64340 42900	53 57	82 56	16 26	7			1 4	2	2	-	-	-	8	ī	2	15	1
Chelsea South HHH - C. Chelsea North-west WHHHHH C.	0396 24925 32807	19	16 15 10	9 2 9	1 4		1 1	-		1	=	-	-	4	-	=	7	-
Chelsea North-east C.  May Fair WW G.J.	30353 59220	6	17	2 5	6		- 1	-	-	-	-	- 3	-	1 8	ī	1	10	ĩ
Belgrave WHHH C. St. John Westminster HHH - C. St. Margaret Westminster H - C.	35496 24679	21 25 11	13 9	7 2	1 2	-	2 -	-	-	-	-	-	-	3	-		8	-
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	29941 16608	10	8 5	2	1 2	-	1 -	-	-	-	-	-	-	ī	-		8	-
NORTH DISTRICTS.	26759		6	1			1			_		_	_	_	-		3	
All Souls Marylebone HHHH - W.M. Cavendish Square HHHH W.M. Rectory Marylebone WH G.J. & W.M.	14991 24809	5 8 11	5 8	3	2	-	1	-	-	1	-	-	-	1	ì	ĩ	1	-
Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone HH - W.M.	21118 33700	23 22	10 8	3 8	1 4 2	-	-	-	=	1	-	-	-	3 1	-	1	1	-
Hampstead Weew HHH N.R. & W.M.	33638 45452	22 26	16	2	5	-	-	-	2	-	-		-	-	-	1	6	-
Regent's Park Paneras $H \sim -W.M.$ Tottenham-court $wHHIHM$ N.R.&W.M. Gray's Ina Lane $HHH$ N.R.	89115 27729	29 14 15	8 15 19	5 3 7	8 1	-	1	1	-	1	-	-	=	1 1	1 1	1 2	9 3	-
Somers Town $H-$ - N.R. Camden Town $WH$ N.R.	80247 84369 17811	24	14	8 4	5	-	-	-	-	1	=		-	1	î	2	7	-
Kentish Town W N.R.	87487 67946	79 66	26 37	13	5 12	-	1 -	-	-	1		-	-	4 7	-	2 -	13	-
Islington South-west HH - N.R. Islington South-east - N.R.	100976 61895 52048	75 32 26	43 15 18	22 6 9	2 1	-	1	=	1.	-	-	1	-	9 4	-1	3 2	-	-
Stoke Newington H N.R.	22781 9277	17	8 2	1 2	1	-	-	1	1	-	-	-	-	1	-	-	-	-
Stamford Hill E.L.  West Hackney H N.R.  Hackney WwwwH - E.L.&N.R.	87610 76911	24 59	10 52	12	3 11	-	-	2	5	ī	-	-	-	2 4	-	ī	25	-
South Hackney E.L. CENTRAL DISTRICTS.	39883	22	11	8	2	-	-	-	-	-	-	-	-	8	1	2	-	
St. George Bloomsbury - N.R. St. Giles South WH N.R.	16681 14864	6 25	7	3	3 4	-	1 -	-	-	-	-	I	-	1	-	-	6	-
St. Martin-in-the-Fields HH N.R. & C.	13837 17508	2	8	3	2	-	-	-	-	-	-	-	-	1	1	1	5	-
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	3 2	2 4 2	2	1 1 2	-	-	-	-	-	-	-	-	2	-	-	2 2	-
St. Geothe-Martyr HHHHHHH N.R.	18671 10706	16	12 2	5	-	-	-	-	-	-	-	-	-	-	-	-	5	-
Saffron Hill H N.R.	6533 17516	16	9 4	2	1	-	-	-	-	-	-	=	-	1	ī	ī	-	-
Amwell Clerkenwell N.R. Pentonville N.R. Goswell-street N.R.	19281 14773 17506	15 9 9	6 7	3	1 1 2	-	-	-	-	-	-	-	-	1 1	-	1	-	-
Old-street H N.R.	11541 18628	12	7 8	6		-	1	-	-	1 -	1 1	-	-	1 2	-	-	2	-
Whiteerose-street N.R. Finebury - N.B. Holborn Union Workhouse, Mitcham w.	9217 7468	3	1 -	=	=	-	-	-	-	-	-	-	-	-	-	-		-
St. Botolph H N.R.&E.L. Cripplegate N.R.	11174 7193	9	- 8	ī	-	-	-	-	-	-	-	-	-		-	-	-	1 1 1
St. Sepulchre H N.R. St. Bride W N.R.	5358 8896	1	18	ī	4 ~	-	-	-	-		-	1	=	1	1 -	1	10	-
Allhallows Barking N.R. Broad Street H N.R.	13666 5652	1	1	1 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note.—The Italic letters piaced against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse H-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving inmates from other Districts than that in which it stands are note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Cheisea; S. Southwark and Yauxhall; L. Lambeth; N. B. New River; E.L. East Lonion; and K. the Kent Company.

EB, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district rday, the 20th July, 1889.

rday, the 20th July, 1889.	1	l)								_	_		_		_			<b>-</b> -,
·				Deat	ha of l		The	DEA		egiste			Wee	k inci	ude		. —	_
REGISTRATION SUB-DISTRICTS.	Finume rated Popu- lation, 1881.	Total BIRTHS.	Total DEATER.	Infants under ! Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	Simple con-	Diarrawa	Violence.	Inquest Cases.	Deaths in Funite	Uncertified Causes
FAST DISTRICTS.  ywell Shoreditch - N.R. & E.L. Leonard Shoreditch HL* - N.R. tton New Town to - N.R. tton Old Town - N.R. zerston WH - N.R. & E.L.	7376 14967 29937 28086 46275	5 11 18 13 27	5 6 18 14 18	3 3 9 9 6	1 2 6 2 2	1111	11111	1111		- 1	1111	1 1 14 1	11111	1 8 1	1 - 2	1 1 2 2 2	2 7 5	1 1 9 1 1
en et neu de de la communicación de la communi	29788 47982 29981 19810	18 47 27 8	7 27 14 7	5 6 6	9 1 1	-	1	1111	- 1	1 -		1 1 1 1	1111	1 3 3 2	1	ī ī	16	1 1 1 1
taffields - E.E., & N.R. s End New Town W E.L. & N.R. dman's Fields - E.L. lgate E.L. N.R. & E.L.	22585 15478 17490 9713 6102	24 11 10 1	3 10 16	1 8 9 -	- 2121		2	1111	1	11111			11111	1 4 -	- 1 - 1	ī ī	6 11 -	
George's North E.L. John, St. George East W - E.L.	88747 8410	29 6	19	9	2 4	Ξ	-	-	+ 1	-	-	-	-	6	-	-	6	-
idwell HH - E.L. N.R. :: eliff - E.L.	10895 16107 82041	1 10 18	8 8 9	3 5 4	-	-	9 . 1	1 1		-	-	-	111	2 2 2	1	1	6	-
e End Old Town West - E.L. e End Old Town East WwwH-E.L.	379 <b>6</b> 0 67653	25 62	7 31	4 14	2 7	-	-	- 1		-	-	-	-	3 8		ī	7	-
miley www.H E.L. plar WWH E.L.	87074 64859 55077	28 45 43	10 20 31	8 3 11	4 7 8			1 - 1	ī	1 1 1	-		111	1 8	1 2	2 2 4	1 15 4	111
SOUTH DISTRICTS.   Reviour Southwark	18663 14999 21881 15968 21318 26672 59555 21623	8 8 16 9 8 12 42 10	8 12 9 10 7 13 24 8	3 6 7 3 2 8 13 4	2 1 - 2 2 2 -	1111111	- 3	1111111	1111111	1 2 - 1		1111111	1111111	1 1 1 2 5 2		1 1 2 1	2 - 1 -	
Olave WH S. & L.  ather Market S. & L.  Mary Magdalen W - S.  James Bermoudsey - S.  therbithe WH S. & K.	11956 16300 15669 54682 36024	15 19 10 88 41	10 7 7 10 13	6 3 6 3	2 8 1 3			11111	11111	11111		1111	1111	515-	8 - - 1	3 -	10 1 1	1
tarloo-road lst   H -   L, & 8,	16195 16351 19876 39859 45282 35882 62837 19017	8 19 13 25 80 81 27 5	20 11 13 9 11	2 3 6 6 5 6 -	2 3 1 2 1 8	11111111	1	1111111	1	1	1111111	1111111	11111111	1 8 2 8 2 8 1	3 - 1	8 1 2	1 16 8	1 1 1
t Battersea	84678 82587 86380 28004 18235 25563	89 48 83 26 14 30	16 43 18 18 6 11	12 19 3 4 2	5 3 5 1 5	11111	1	111111	4 1 1 1 1 1	1 1	11111	11111	111111	8 12 1 2	1	1	3 - 4	11111
wich	5590 59104 71089 50810	4 48 60 87	1 32 29 18	8 10 11	1 10 7 1	1111	1 2 1			- 2 1	1111	1111		2 7 7	7 7 7	1 1 -	15	1
Paul Deptiord www K. Nicholas Deptiord K. conwich West H K, conwich East WHH K,	76752 7901 21972 2460s	58 2 10 19	89 8 7 23	20 2 3 6	3 1 2 8		2 - 1 -	2 -		1	11111	1111	1111	11 2 - 3	- - - -	-	2	1 -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	2 10 16 21	2 4 11 8	1. 2 4 2	1 5 1	- 1 1 1	1111	1111					1111	1 -		1	3	ì
olwich Dockyard - K. olwich Arsenal HH - K. mstead, West H - K. mstead, East W - K.	10980 17617 19048 14009 19241	6 16 18 12 31	4 6 5 3 7	1 1 1 2	1 1 1 1 -		1 -	11111	1	1		1 -	11111	1 1 1 1 1 1	1	1	2	
ropolitan Asylum Hospitals: Dartford w Winchmore Hill w Plaistow w-	=	=		-			11		111				1111				111	4 4 4

to following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the stand by wi-

Table by w:—
Marylebone infirmary in Konsington Town sub-district.
Cautral London Sick Asylum, in Tottennam Court-road sub-district.
London City Workhouse
Loldorn "Hoxton New Town, sub-district.
Whitechapel "Hoxton New Town, sub-district.

Mile End Old Town Eastern sub-dist.

Mile Fud Old Town Eastern sub-dist.

Mile Fud Old Town Eastern sub-dist.

Mile Fud Old Town Eastern sub-district.

Mile Fud Old Town Eastern sub-district.

Mile Fud Old Town Eastern sub-district.

Stepney Workhouse in Bromley sub-district.
Pooiar & Stepney Sics Asylum
Westminster Gunon industrial School in West Battersea sub-district.
Strand and Holborn Workhouses outside Registration London.
St. Sariour's Infirmary in Camberwell sub-district.
Metropolitan Asylum District However a Futnam, Hampstead, Hackney, Britton, and St. Paul, Deptord sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING .- AREA; POPULATION: BIRTHS and DEATHS registered during the

	o.—BONDON.—(		RING	Wee	k end	ling S	aturd	lay, 2	oth .	July,	1889						iuriu	z tu
jegis-		Area		1	1				The L	PEATH	s regis	tered 1	n the	Week	inelude			
ration		Acres,	Enume-		H	Dea	the of				Death	is from	1			1	1	
nad	REGISTRATION	inclu-	rated	13.	DEATHS.	-	60 ds.	-	1	1.		gb.	1	1	1	1.	Public	Uncertified Causes
Qub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS.	SAT	under of Age.	aged upw	١.		VOF.		noo				1866		5
Num-		and	1881.	BI	ā	e of	18 A	-pox	es.	t Fe	heris	bing	1.	1006.	106.	et C	saths in	title
hers.		Fore-				Infants Year	Persons a	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough,	Fever	histrings	Violence.	Inquest Cases.	Deaths in	acer of j
-						=	P	20		7	=		=	-		=	2	2
LO	NON-OUTER RING	370,924	950,957	855	320	112	75	-	3	4	10	10	1	37	11	27	26	4
80:1	Carshalton wL -	12228	21118	12	3		1	_	-	-		-	_	-		1	-	
3	Epsom (part of) WwH	9971	10710	7	1	-	-		-	-	-	-	-	1, -	-	-	-	4
- 37 : 1	Godstone (part of)	2754	1235	-	-			-	-	-	-	-	-	-	-	-	-	1,
38:1	Croydon WwHHL -	20851	101241	62	26	8	8		-	-	-	-	-	3	8	5	8	
39:1	Witcham w + -	11697	17932	11	4.	2		-	-	-	-	2		1	-	-	-	
2	Wimbledon HHH - Kingston WHH	8220 8549	15950 36354	9 22	5 7	1	1 4	-	-	-	-	1	-	-		-	-	101
8	Esher (part of) * -	6601	9221	9	-	-	-	-	-	-	-	-	-	-	-	-	-	17.
40:1	Hampton H	4578	18539	9	1	1		-	-	-	-	-	-	-	-	-	-	4
2	Richmond WH	2272 2941	21302 12331	11 13	13	1 2	7	-		-			_	2		1	3	000
41:1	Bromley (pt. of) * HH	15669	81142	33	13	7	1			1	1		_	1	_	-	1	1
2	Chishrst(ptof)* WHH	14307	15844	11	8	1	2		-	_	1	-	-	-	-1	-	2	1
42:1	Bexley H ~  Dartford (Ww, pts. of)*	18437	24134	18	7	1	8	-	-		-	_	_	-	-	-	7.	4 min
124:1	Sunbury w	11055	11685	6	7	4	2		-			_	_	2	1	1		1.0
3	Staines W	13277	12089	12	3	1	1	-	-	-	-	-	-	-	-	1	-	4
125:1	Hillingdon WHH - Uxbridge	6029 6178	10802 3225	7	8	1	1	-	-	-	-	-	-	1	-	1	-	97.1
3	Hayes wHL	14587	11528	5	2	1	-	-	_	-		1	-	_		-	_	1 11
126:1	Isleworth WHH -	7008	22727	17	7	~	2	-	-	-	-	1	-	1	1	2	_	-
2 8	Twickenham H Brentford HL	2477 4345	12479 27649	11 30	9	4	8	-		-	7	-	-	-	-	-		1
4	Chiswick	1840	15975	18	4	-	2 2	_	-	-	_	1	-	1 -		1	1	f. Lof
5	Acton wH	6088	22876	18	12	8	1	-	-	-	1	-	- 1	2	-	1	-	1
127:1	Harrow $H$ Edgware $H$	13809 6994	12798 3749	11		1	-	-	-	-		-	-	1-	-	-	~	-
8	Willesden	4388	27453	46	11	9	1	_	-	-	-	_	_	-	-	1	-	4
100. 1	Hendon W	8382	10484	9	8	1	8	-	-	-	-	-	-	1	1	1	2	- N
187:1	Bushey Watford (W, pt. of)* -	9331	6621	4	-	~	-	-	-	-	-	-	-	-	-	-	-	7.1
198:1	South Mimms	15599	6391	9			-		-				-			-	-	100
3	Barnet	5483	10092	7	4	1	-	-	-	-	-	1-	-		-	1		1.1
135:1	Finchley HZ  Hatfield (part of) * -	4688	17615	19	7	4	2	-	-	-	-	-	-	1	-	-	2	* (
129:1	Hornsey H	3806	583 37078	-	-		-	-	-	-	-	-	-	-	-	-	-	-
2	Tottenham H	4642	46456	25 63	10	4 8	3	-	1	-	-	-	-	8	1	2	-	4
8	Edmonton Ww ‡ - Enfield WH	7483 12653	23463	22	9	8	1	-	-	-	-	-	-	2	-	-	-	-
5	Waltham Abbey	11017	19104 5368	15	6	2	1	-	-	-	1	1	-	-	-	-	1	-,
6	Cheshunt	8480	1785	8	2	-	1	-	-		-	-	-	-	1	1	-	1.0
186:1	Stratford West Ham wwww.H5-	882 7351	38606 101053	80	10	2	8	-	1	1	-	-	-	2	-	-	-	1
8	Leyton WwL	4372	32480	137 37	46 23	19	4 9	-	-	1	5	8 -	-	7	2	8	- K	2
4	Waithamstow H -	6520	28869	87	9	8	-	-	-	-	-	-	-	1	-	1	5	+
187:1	Chigwell (part of) * H Epping (W, pt. of)*	11761	9669	6	5	1	1	-	-	-	-	-	1	-	1	1	-	2
189:1	Romford (part of) * W	6730	3411	2	8		-	-	-	-	-	-	- 1		-		-	7
2 3	llford Barking Town	8498	7645	5	1	-	8 -	-	-	-	-	-	-				8	1-1
1_,	Differing 10Mil	4127	9208	18	5	8	1	-	-	-	-	-	-	1	-	-	-	-

The parts of sub-districts included within that portion of the Metropolitan Police District which forms one Outer Ring are as folion = 30:2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 185); 37:1, the oarisines of Wardingham and Farley in choiseous sub-district; except the parish of Esher (pop. 1993): 41:1, Bromey sub-district, except the parish of Ouddayn and sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 947): 133:1, the parish of Northaw in Hatfield sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 947): 133:1, the parish of Northaw in Hatfield also deaths in Workhouses belonging to the Outer Ring in 42.2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

<sup>‡</sup> Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5). 
§ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 20th July, 1889.

			ANNUA	L RATE			The DE	ATHS	regi	tered	l in t	he W	eek i	neiud	е	
GREATER'	Area in Acres,	Estimated		o living.	DEATHS	Deat	hs of	-		1	Death	s from	n			ublie
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhea.	Violence.	Deaths in Printing
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
REATER LONDON	448,334	5,642,015	17:3	4.0	1876	743	362	-	32	1.6	33	39	7	311	54	374
INNER LONDON -	77,410	4,351,738	18.7	4.2	1556	631	287	-	29	12	23	29		274	43	348
OUTER RING -	370,924	1,290,277	12.9	2.6	320	112	75	-	3	4	10	10	1	37	11	26

Note.—The area of Greater London is 448.334 acres; of which 4,892 acres are tidal water and foreshore. This area is eq. al 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,657,164 Persons.

					ANNUAL	DE	EATHS		PRIN	ES.	ZYMO	_
Citius.	POPULATION (enumerated or estimated).	DATE OF RETURN Week endin	Evelusive	DEATHS. of Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
BOMBAY	433,219 { 773,196	June "	5 1 8 309	203 194 376 355	24·4 23·3 21·5 46·2	8 1 12	1 7 38	2	1	1 2	61 54 113 83	44† 39† 42† 76†
MADRAS	398,777	July 1	327	968	22.3	2	25	1	24*	6	23	186
ith 8 Faubourgs.)	471,606 403,083	,	3 253 3 263	189	20.8	-	4	-	3	2	1	-
ROTTERDAM -	197,723 153,440	"	3 138 3 103	90 79	23.6	-	5.			3	-	3
COPENHAGEN -	307,000 228 218	39 59 ·	6   175 6   115 3   72	151 120 102	25·7 27·3 38·4	- 1 -	2 - 4	3	7 2*	5 - 3	2 1 2	36 46 35
T. PETERSBURG	138 30°) 842,883	,,	6 -	587	36*3	-	9	8	7	7	26	140
Hamburg (State) Dresden	1,489,672 675,276 264,196	July	833 6 433 6 152 °	924 322 144	32·3 29·2 28·3	1 -	2	2 2	22 8* 3*	3	3	407 116 50
BRESLAU MUNICH	315,000 281,000	39 39	8 212 6 234	326 174	54°3 32°2	-	4, 1	1	10* 13*	4	1 2	123 51
PRAGUE	811,434 304,356	23 ' 33	6 434	337 155 283	21.6	2	1	- 2	10 10 3	1	1 3 6	53 10 56
BUDA-PESTH - TRIESTE ROME	452,907 158,084	n n	6 310 6 -	74	32·5 24·3 20·1	1	1	1	3*	-	- 5	4 5
TURIN (10 days)-	404,449 306,398 153,375		1   190 20   240 29   90	185	22°0 27°6	2	18		2	5	1	23 3
CATRO ALEXANDRIA -	374,838 231,396		389 20 170	425 200	59·2 45·1	5	6 2	- m 1	1	2	37 7	157 67
NEW YORK -	1,571 300 814,505	**	29 -	864 514	28·7 32·7	-	6 5	7	32 11	11 10	2 2	245 164
PHILADELPHIA - RALTIMORE -	1,040,245 500.343		29 -	493 221	24.7	-	5	2 4	5	3	5	84 80

<sup>\*</sup> Including deaths from croup. † Including 33 and 25 deaths respectively from cholera in Calcutta, 7 in Bombay, and 13 in Madras.

TABLE 9 .- METEOROLOGICAL OBSERVATIONS taken at the ROYAL OSSERVATORY, GREENWICH, during the Week ending Saturday, 20IH JULY, 1889.

ŧ									1).	retec	orolog	gic	at Oo.	servan	0718.						
		Ozone.		0.0	2.8	2.2	8.0	0.0	2.0	0.6	2.7	27	3a; no	of the or, are ussion r, and	imum le air duced	raphic	" and	below l, and n the	The	, show	74 in.
	Rain	in a Gauge whose	surface is 5 inches above the Ground.	in. 0.19	0.03	0.00	61.0	0.00	00.0	0.03	Sum 0.43	26	f the se	the means of the thermometer, are from a discussion he barometer, and the the the thermometer, and the the the thermometer, and the the thermometer, and the thermometer, and the thermometer, and the thermometer, and the thermometer, and the thermometer, and the thermometer, and the thermometer, and the thermometer, and the thermometer, and the thermometer, and the thermometer, and the thermometer the thermomete	the max	photog	val mov 1875. higher	vo feet Jeptford ins from	ometer.	rument	ek to 29
			Departure from Average of 16 Years.	Miles.	+ 85	+ 76	- 24	-100	-121	+ 22	Sum - 97	25	n level o	ulb ther ced from or the b	ngs of apperatument	of the	norizon ending i	uspended at a depth of two feet below foreign Cattle Market at Deptford, and Market, under instructions from the	g Electierale; s	ne Inst	from 29°67 in at the beginning of the week c. 29°74 in.
		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.   1	315	306	202	131	111	287	Sum 1518	15.1	he mean	e wet b ns dedu g 1873 fe	of ten	seussion	years (	t a dept tle Mar ider in	gisterin n. mod	Sunshi	nning o
ı	neters.											-	above ta level.	and the preceding sending s. With	value degri	un a di	r the 16	ign Cat	self-reg	Stokes to be u	she begi
•	nemor	on the	Mean of 24 hourly obs.	lbs. 0.0	0.5	0.1	0.1	0.0	0.0	0.3	:	23	feet to se	on. r. neter, of co	daily daily re ar	od fro	rds fo	Fore Man	son's	ay.	n.at
ı	from A	Pressure on the	Least.	lbs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	22	is 15	ermon cation wenty	mean peratu	deriv	c reco	es are	Thon	can cach d	29.67
ı	duced		Great-	lbs.	2.7	20.00	4.6	0.0	0.5	83	:	21	meter	applie the true the the the	the cure temp	that	metri III be	Fham ties o	from	m the	from 9
ı	Wind as deduced from Anemometers.	Osler's.	P.M.	N. NNW. &	WSW. WSW.&SW.	WSW. &SW.	SW.W. &	WSW. &	SW. & SSW.	SSW. & SW.	V.	20	of the baro	r, the dry bu alues by the made during ing 1868 for i	is combined rs, forming by dew point	of the air is	of the anemorand 25 it wi	vater of the Thames are si e of the jetties of the F ed by the Clerk of the	is derived positive;	derived fro ight sunshin reorological	to midnight. Ter increased reased to 29
ral.]		General Direction	A.M.	SW. WSW.	SW.& WSW.	WsW.	WSW.	NNW. NW.	Calm & NE.	S. & SSE.	SW.	19	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no observation has been applied to the readings to reduce to sea lovel.	Observations are buttenly dated as 91, A.m.; 1001; 30. T.m.; and 91. T.m. The means of the converted into means daily dated of the parometer, the day build intermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1835 for the baroneter, and during the great ending 1835 for the baroneter, and during the great ending 1835 for the breathers. With the corrected men mean made in	of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deflueed from the mean daily values of the dry and wet built thermometers by Glashac's re-	emperature	redoo so make an officent four eduling the system country, from a manager or indicational movement for the air from a discussion of the amenometric records for the 16 years ending 1875.  In reading the columns 9 and 25 it will be borne in mind that + indicates "kigher," and — lower," than the average.	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the	Orpopouton of London.  The record of Electricity is derived from Thomson's self-registering Electrometer. The remainly employed are:—P. positive; N. negative; w. weak; in. moderage; s. strong; and excession.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the agreement duration of bright sunshine on each day.  The results of all the net-cerological observations are to be understood as annivers to the	civil day, or from midnight to midnight. The reading of the barometer increased by Sh. P. M. on the 14th; decreased to 29
er Roz	61	Of the Water of the Thames at Deptford.	Low-	۰:	:	:	:	:	:	:	1:	18	ght of	ngs of into otograj	hulb imum 8). T	metrical Tables.	from the the	ce, at dings	cord c	mbers	or fro
ronom	TEMPERATURE	Of the of the at Der	High-	۰:	:	:	:	:	:	:	:	17	he he	readii verteche he ph	the drain lumin	trical	the air in read	the the surfa	The reco	The nu aggre	The rea
ie Ast	MPER		Lowest on the Grass.	0 52.1	44.5	2.25	20.1	48.0	9.88	9.47	45.0	16	Cor								civ
se of th	TE	Of Radiation,	High- est in Sun's Rays.	0	183.5	134.0	2.971	0.111	137.5	128.4	129.4	15		etweer	le and	partially	ariable	and very	cloudless	cloud;	
endene	П	Degree of Hu- midity		92 1	75 1	76 1	76 1	81 1	74 1	85 1	80	14	vi.	nder 1	variab] rwarus	and	very in after	less ar		orning ;	
[Under the Superintendence of the Astronomer Royal.]	ween		Least.	0.5	0.0	8.0	8.0	0.0	0.5	₹.0	8.0	13	GENERAL REMARKS	evening; thunder between	cloudy till afternoon; variable evening; very flue atterwarus,	g; fine t night.	Overcast with rain in early morning; very variable fleewards; occasional thunderstorms in alternoon.	evening; cloudiess	ill evening;	Fine and partially cloudy in early morning; cloudy and showery tilt night; then cocudess.	
the S	Difference between	Air Temperat and Dew Point Temperature.	Great.	2.11	9.41	6.81	18.0	1.91	6.02	11.1	16.5	12	L RE		l afte	nornin reast a	early i	evenir	ondy	udy in	
Under	Differen	the Air Temperature and Dew Point Temperature.	Mean daily value.	0.2	6.4	7.8	2.2	0.9	80.00	1.4	F.9	11	VERA	ry till A.M.	dy till ning; v	g; over	ain in nonal t	till	ally el	ally clo	
	П	Of the Dew Point.	Mean daily value.	68.2	2.19	49.5	49.0	2.72	8.09	6.83	52.3	10	GER	Cloudy; showery till h. A.M. and llh, A.M.		ne in el evenin	t with 1	Generally cloudy te afterwards.	nd parti	i nd partic ery tili	
	E		parture from vverage of 0 years.	0 61	8.8	2.9 -	0.4 -	1.4 -	7.5	9.7	4.4	6		Cloudy; showery ti	Generally cishowery till elittle cloud,	Very fine in early morning; fine cloudy till evening; overeust at night.	Overcas ifterward	Generally clou	Fine and partially cloudy till and very fine, at night.	Fine an	
			Mean daily value.	6.09	29.69	57.8	2.99	2-89	29.1	9.89	1.89	00	above izon, ours.				16.0	16.0	0.91	15.9	Sum 112.2
	TEMPERATUR	Of the Air.	Daily Range.	0 14.5	17.5	6.03	15.4	0.81	2.93	17.5	9.81	1	Hor in be	16.1	16.1	1.91	16	16	16	15	
	H	0	Low- est, I	56.5	0.69	0.6%	9.19	2.19	47.5	2.09	8.19	9	Registered Sun above Sunshine, Horizon, in hours.	1.8	4.6	6.4	00	2.2	2.0	8.0	Sum 28.1
			High-	0.14	69.5	6.69	0.49	69.5	74.2	68.5	6.69	10					ter on d		^_		
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#### OFFICIAL COPY.

#### WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

### TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 30. 1889. Vol. L.]

WEEK ENDING SATURDAY, JULY 27.

 $\Gamma$ Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, 29th July, 1889.

### TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21.0 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending				Weeks	ending	
Towns.	July 6.	July 13.	July 20.	July 27.	Towns.	July 6.	July 13.	July ,20.	July 27.
Birkenhead	19.8	22.4	26.0	20.4	Liverpool -		24.6		
Birmingham	14.3	22.6	24.3	22.0	London -		19.3		
Blackburn -	15.1	23.7	15.5	24.5	Manchester ·		26.7		
Bolton -	15.0	26.4	18.2	21.4	Newcastle-on-Tyne		31.8		
Bradford* -	19.1	22.9	19.3	18.9	Norwich -		16.0		
Brighton -	11.6	15.9	12.0	14.6	Nottingham		20.4		
Bristol -				16.4			20.5		
Cardiff* -	19.4	20.8	17.6	23.6	Plymouth -		24.0		
Derby -	13.8	19.6	15.4	12.2	Portsmouth		22.5		
Halifax -	18.0	20.6	16.7	25.1	Preston -		30.2		
Huddersfield	17.4	12.9	21.4	10.7	Salford* -	_ ~ ~	26.7		1
Hull	20.1	22.3	18.6	25.3	Sheffield -	1 -0 0	23.3	1	
Leeds -	26.9	25.8	28.5	26.1	Sunderland		30.3		
Leicester* -	20.5	28.1	26.0	23.6	Wolverhampton	15.8	14.5	17.1	19.6

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.3 in Halifax, 1.8 in Leeds, 2.0 in Hull, and 6.5 in Preston; from scarlet fever, 1.0 in Liverpool, 1.1 in Oldham and in Huddersfield, 1.7 in Blackburn, and 5.3 in Plymouth; from whooping-cough, 1.5 in Oldham and in Preston, 1.6 in Bradford, and 2.0 in Birkenhead; from "fever," 2.0 in Preston; and from diarrhaa, 4.9 in Sheffield and in Salford, 5.3 in Birmingham, 5.8 in Sunderland and in Derby, 6.0 in Leeds, 8.0 in Leicester, and 12.0 in Preston. The 67 deaths from diphtheria in the twenty-eight great towns included 44 in London, 7 in Bradford, 5 in Salford, 3 in Plymouth, and 2 in Liverpool. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In LONDON 2376 BIRTHS and 1553 DEATHS were registered. Allowing for increase of population, the births were 411, and the deaths 275, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19.3 and 18.7 in the two preceding weeks, further declined last week to 18.6. During the first four weeks of the current quarter the mean death-rate was 18.2 per 1000, and was 2.5 below the mean rate in the corresponding periods of the ten years 1879-88.

The 1553 deaths included 20 from measles, 6 from scarlet fever, 44 from diphtheria, 19 from whooping-cough, 8 from enteric fever, 1 from an ill-defined form of continued fever, 271 from diarrhea and dysentery, 10 from cholera and

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

choleraic diarrhoea, and not one either from small-pox or from typhus; thus, 379 deaths were referred to these diseases, being 152 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 9; and no small-pox patient was under treatment during the week in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had slowly declined in the four previous weeks from 33 to 29, further fell last week to 20, and were 35 below the corrected weekly average; 10 occurred in South London, of which 4 belonged to Camberwell sanitary area. The 6 deaths from scarlet fever showed a decline of 6 from the number in the previous week, and were 33 below the corrected average; 3 belonged to the East and 3 to the South groups of sanitary areas. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 660 scarlet fever patients against numbers increasing from 559 to 623 in the four preceding weeks; 110 cases were admitted to these hospitals during the week, against numbers increasing from 33 to 92 in the six previous weeks. The deaths from diphtheria, which had been 38, 25, and 23 in the three preceding weeks, rose last week to 44, and exceeded the corrected average by 27; 2 belonged to Paddington, 2 to Kensington, 2 to St. George Hanover Square, 2 to Westminster, 2 to Marylebone, 3 to Hackney, 8 (including 2 hospital cases admitted from New Nichol Street) to Bethnal Green, 3 to St. George-in-the-East, 5 to Lambeth, and 3 to Camberwell sanitary areas. The 19 fatal cases of whooping-cough showed a decline from recent weekly numbers, and were 30 below the corrected average; 3 belonged to Chelsea, 3 to Lambeth, and 2 to Greenwich sanitary areas. The deaths attributed to  $diarrh\alpha a$ and dysentery, which had increased in the nine preceding weeks from 13 to 273, were last week 271; 217 were of infants aged under one year, 33 of children aged between one and five years, and 17 of persons aged upwards of 60 years. The deaths of 7 infants and children aged under five years, and of 3 persons aged upwards of five years, were referred to infantile cholera, choleraic diarrhoa, or English cholera.

The deaths referred to enteric fever, which had been 8 and 7 in the two preceding weeks, rose again last week to 8, but were 7 below the corrected average; 2 belonged to Paddington sanitary area. The death of a female, aged 60 years, in Lambeth, was indefinitely referred to "continued fever, 5 months." The Metropolitan Asylum Hospitals contained 35 cases of enteric fever and not one of typhus on Saturday last; 8 cases of enteric fever were admitted during the week, against 9 and 2 in the two preceding weeks.

The death of a gardener aged 47 years occurred in St. Mary's Hospital on 23rd

instant from hydrophobia.

The deaths referred to diseases of the respiratory organs, which had been 158 and 141 in the two preceding weeks, rose again last week to 160, but were 29

below the corrected average.

Different forms of violence caused 60 deaths; 50 were the result of negligence or accident, among which were 24 from fractures and contusions, 2 from burns and scalds, 10 from drowning, and 9 of infants under one year of age from suffocation. The 24 deaths from fractures and contusions were thus caused:—6 by accidents from vehicles in street; 2 by fall on board ship; 1 by fall from scaffold; 1 by fall from load of hay; 2 (one during intoxication) by fall in street; 2 by fall from window; 3 (one during intoxication) by fall down stairs; 1 by fall out of bed; 1 by fall in room; and 5 by injuries the cause of which was not stated. An inquest was held in each of these 24 cases. Six cases of suicide were registered.

GREATER LONDON.

In Greater London 3059 births and 1900 deaths were registered, corresponding to annual rates of 28·3 and 17·6 per 1000 of the estimated population. In the Outer Ring 41 deaths from diarrhea and 11 from whooping-cough, were registered. The fatal cases of diarrhea included 7 in West Ham, 4 in Walthamstow, 4 in Croydon, and 4 in Willesden sub-districts. Four deaths from whooping-cough occurred in West Ham, and 2 from "fever" in Croydon sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29·59 ins.; the lowest reading was 29·38 ins. on Thursday evening, and the highest 29·83 ins. at the end of the week. The mean temperature of the air was 58°·1, and 4°·7 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, the coldest day being Tuesday, when the mean fell to 56'·4, and was 6°·4 below the average. The general direction of the wind was W.S.W., and the horizontal movement of the air averaged 12·9 miles per hour, which was 3·1 miles above the average in the corresponding weeks of 16 years. Rain fell on six days of the week, to the aggregate amount of 0·90 of an inch. The duration of registered bright sunshine in the week was 26·5 hours, against 29·2 hours at Glynde Place, Lewes.

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Table 2. LONDON.—Births and Deaths Registered in the Thirtieth Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females	2482	2488	2755	2577	2631	2530	2459	2701	2579	2353	2786·7	2376
	1245	1290	1448	1357	1350	1300	1260	1366	1347	1171	1491·7	1174
	1237	1198	1312	1220	1281	1230	1199	1335	1232	1182	1355·0	1202
TOTAL Deaths  Males  Females .	1208	1746	2000	1399	1605	1995	1750	1746	2007	1308	1828·1	1553
	629	976	1052	716	847	1064	924	925	1043	681	965·9	836
	579	770	948	683	758	931	826	821	964	627	862·2	717

The numbers in this column are the average weekly numbers in the thirtieth weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE			0, 22	22.11.09									W EE	
		May 4.	May 11.	May 18.	May 25.	June 1.	June 8.	June 15.	June 22.	June 29.	July 6.	July 13.	July 20.	July 27.
TOTAL 3	Births	2712	2565	2648	2402	2405	2523	2396	2636	2467	2507	2306	2627	2376
TOTAL 3	Deaths	1386	1295	1231	1267	1151	1306	1247	1243	1265	1350	1606	1556	1553
Ages at Death	0—20 years - 20—40 ,, - 40—60 ,, - 60—80 ,, - at 80 years & upwds.	626 184 266 258 52	577 175 251 245 47	571 169 205 232 54	608 152 221 224 62	506 148 209 237 51	601 186 245 234 40	564 173 227 236 47	575 180 218 225 45	572 179 232 229 53	723 168 221 205 34	902 152 232 257 63	908 164 197 245 42	898 166 223 212 49
1 ., 2	Under 1 year - 1-5 5-20	309 246 71	287 218 72	267 225 79	301 222 85	242 181 83	306 205 90	293 184 87	281 203 91	315 189 68	429 208 85	617 196 89	631 197 80	599 216 83
,, ,	om Small-pox  Measles  Scarlet fever	68 15	60	53	- 47 16	31 4	39 12	32 11	23 17	33 10	31 9	30 9	29 12	20 6
3) 7	,, Diphtheria - ,, Whooping-cough ,, Typhus -	55 -	23 37	24 36 -	21 48	16 49	26 -	26 37 -	27 27	13 27	38 32	25 26 -	23 29 -	44 19
2) , 3) ,	Enteric fever - SimpleContafever	1	5 4	7	5	9	3 4	8 2	7	8	8 -	8 2	-7	8
	Dysentery - S ,, Cholera	12	10	14	13	14	19	34	40	57	155 5	258 10	273 10	271 10
" r	,, all the above- mentioned Diseases	178	149	142	152	123	138	150	141	149	278	368	383	379
	tory System Phthisis	242	213 125	217 137	177	162 144	205	169	171	169	143	158	141	160
	Dis. of Circulatory System	154	134	97	98	101	97	106	155 123	137	138 94	128	136	150 91
Violent Do Inquest Ca Deaths in		55 107 315	66 125 310	51 85 311	48 89 342	55 104 290	58 91 323	48 109 290	53 105 324	39 90 314	51 90 280	83 129 357	43 83 348	60 113 314
Mean Mean of	f Highest readings -	50.8 61.9 41.5	57·7 67·9 49·1	54·0 64·5 46·7	61·9 75·1 50·8	55·7 64·9 48·0	64·3 77·2 53·4	56.8 64.0 51.7	59.6 72.4 49.7	64·1 77·1 52·1	63·3 74·6 53·7	63·0 72·9 56·2	58·7 69·9 51·3	58·1 67·7 51·9
Humidity Rain-fall is		79 0·79	77 0·71	85 0·19	77 0·51	82 1·33	73 0·31	89 1·73	76 0·00	71 0·02	71 0·00	. 80 • 72	80 0·43	82 0·90
Registered	Sunshine (in hours)	39.8	37.5	27.7	49.1	47.2	50 · 1	3.3	65.3	54.1	51.3	23.0	28 · 1	26.5

### METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R. S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LLD., Plymouth: R. C. Cann Lippincett, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolver-hampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Erown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-ham; J. Hartuup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R. Mot.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sungerland; and Wm. Lyall, Esq. Newcastle-on-Tyne.

TABLE 4. LONDON .- DEATHS Registered at several groups of Ages from different Causes in the

CAURES OF DEATH	TABLE 2. 2202				3	нін	RTIE	TH	We	ek	of the Year 1889.									
CAUSES OF DEATH		the		In	the	Wee 27th	k en Jul	ding y 188	9.			the	5	In	the	Wee 27th	k en Jul	ding y 188	9.	T
All GAUSES - 1898*1 1553 500 216 83 105 226 212 40    Small- Unrescinded   9'2		s for 10 yes			aths	of P	erso					to ye		Des				s of		
All GAUSES - 1898*1 1553 500 216 83 105 226 212 40    Small- Unrescinded   9'2		erage f the -88.		D	-		. 1	60.	80.	101	CAUSES OF DEATH.	of the		Uı		T	10.	60.	80.	D.
All CAUSES - 1859: 1555 600 216 83 105 220 212 40    Small Unvascinated   978	CAUSES OF DEATH.	d Av 36ks 0 1879	ES.					nder	24	rs an	OROSAIS OF PRINT	ed Ar	OES.			-	under	under	under	rds.
Small Unvacinated		rrecte		1.	-0.	-20.	and	and	and	Xea		orrect Oth W		i.	. j.	. 1	and	and	and	upwa upwa
Similar   Continued   Similar   Si		ರಿಜ	A	0		10	28	.40	8	200		000 1	4	01	- 1	0 1	Ø	#	¥ 1	0
Search   Green   Search   Se	ALL CAUSES	1828'1	1553	599	216	83	166	228		-	Diseases of Organs of Special Sense † }	3.3	1	1	-	-	-	-	-	-
Massler	Small- Unvaccinated	9.2	-	-	-	-	-	-			Diseases of Circulatory	90.9	91	1	-	4	13	42	28	3
Secrite Forer 0.92	No Statement	) ( KK+R	_	1			-	-	-		System)			-	-		-	-		-
Explain   Perer   - 0.0		1	_				-	-			Bronchitis	92.7	88	25	15			10		3
Canadara   Canadara	Typhus			-	-	-	-	-	-	_	Pleurisy		2	-	-		1		-	- 1
Whosping-cough			-	-	-	-	-	-	-	_	ratory System}	22.1	19	4	5	-	2	3	*	1
Entering	Whooping-cough	1	_				1		~	-	Dentition †	17.2	7	8	2	-	-	-	-	-
Peritonities   Peri		1		1	26	15	2		-		Quinsy, Sore Throat † -	2·1 15·9	3 26		2	- 100		1		-
Cholera   10	Ill-defined Fever - )				1	1	G				Diseases of Liver		23	-	1	2	4	15	3	_
Diseases of Lymphatic   System & of Ductiess   System & of Ducties   System & Output   System & of Ducties   System & of Ducties   System & of Ducties   System & of Ducties   System & of Ducties   System & Output   System & of Ducties   System & of Ducties   System & of Ducties   System & of Ducties   System & of Ducties   System & Output   System & of Ducties   System & of Ducties   System & of Ducties   System & of Ducties   System & of Ducties   System & Output   System & of Ducties   System & of Ducties   System & of Ducties   System & of Ducties   System & of Ducties   System & S	_	1		1					-	_	Other Diseases of Digestive System -	33.4	88	10	2	1	8	5	9	3
System & of Ductions   2-4   3	Diarrhea, Dysentery -	1	271	217	33		-	4	1	_	Discours of Lymphetic)				_	-	-			
Comport and Effects of   0.0   0.5   1   1   1   1   1   1   1   1   2		1	1	-	-			1	l l	1	System & of Ductless }	2.4	3	-	-		-	3	-	-
Vaccination   7 -   7   7   7   7   7   7   7   7	Glanders	0.0	-	-	-	-	-	-	-	-								-	-	-
Erraipelas	Cowpox and Effects of Vaccination †			1	-	-	-	-	-	-		32.2	33	1	3	-	8	10	14	2
Diseases of Generative   System   Available   Availa		1	1	10		-	- 0		1	-			-			-	_			
Puerperal Fever		014		-	1	-	1			-	System				-	-			-	-
Thrush	Puerperal Fever	4.8	_	-				-			Accidents of Childbirth -	4.0	2	_	-	-	2	-	-	-
Thresh	Other Zymotic Diseases	1	1-			-	-	-	-	-		7.5	в	-	-	3	3	-	-	-
Starvation, Want of   3'8   3   3         -   -			-	-	1	1	-	-	-	-	Dystom ( = )				-	-				
Reseast-milk †   A'3   10   -   -   2   8   -		}			-	-	-	-		_		5.7	3	2	-		_	-	-	1
Alcoholism -	Starvation, Want of Breast-milk † -		3	3	-	-		-   -	-	-	WIGI DATE DUATUS									
Rheumatism f Fever, Rheumatism of Heartf   4'4   7   -   2   3   1   -		4.3	. 10	_			- 2	8	-	-										
Rheumatism of Heartf   Rheumatism f	Rheumatic Fever,	3 4.4	7	1.			2 9	3 1	1	-	Fracture and Contusion							7	-	-
Gout	Rheumatism of Heart†	51		1.				1	1		Cut, Stab	0.1	-	-	-	1			-	-
Riekets † 4'6	Gout		4			-		- 2	-	-	Poison	0.9		1	2	-	2		1	-
Tabes Mesenterica - 53 4 45 85 8 2		_		_				7 94	- 20		Suffocation	8.8		3	-				-	-
Phthisis 163.9 150 4 6 13 70 52 5 - Murder & Manslaughter 1.7 4 3 1 6 - General Constitutional Diseases †		-		_	1			- 1		3			-	-	-	-				
Serofula, Tuberoulosis -   23	Tubercular Meningitis			_			- 1		1	-1	13 (22021011)	1.7	1	2			. 1			
Other Constitutional Diseases † 9.9 6 6 - (Suigide.)  Premature Birth - 88'8 45 45 1'5 2 2' - 1'5 4 1'5 2 2' - 1'5 4 1'5 1 1'5 1 1'5 1 1'5 1 1'5 1 1'5 1 1'5 1 1'5 1 1'5 1 1' - 1'		1		_	_		- 1			_	11		-	-	-	-	-		-	-
Premature Birth - 88'8   45   45	Other Constitutional			-	-	-	-	-		3	- Gunshot Wound -	- 1:0	1	-						
Atelectacis † 1.7	Premature Birth -	- 88.8	42	5 4	15	-	-	- 1	-	-	Cut, Stab	1.5	1 -			- 1	-   .			
Signature   Sign	Ateleotasis †	- 1.7	_		_	-	-	-	-		Hanging	- 2.1	1				-		- 1 -	
Apoplexy 38.5 34 2 2 10 18 2 Hanging 0.0		8.2	(	5	6	-	-	-	-			- 1.0		-			-		-	-
Apoplexy 38'5 34 2 2 10 18 2 Hanging 0'0	Old Age			2	-	-	-		-		(Execution.)									
Convalsions 63 6 46 40 6 OTHER CAUSES † 93 6 94 85 4 1 - 3 1 -			_	_			- 1		_		11	- 0.0						_	-	
and Nervous System   91.1   69   15   17   7   3   8   15   4	Convulsions	- 63.6	4	6	40	6	-	-	-	-	OTHER CAUSES † -	- 93.6	94	8	5	4	1	-	3	1 -
	and Nervous System	91.	6	9	15	17	7	3	8 1	15	4		1	-			1			

mbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9°045 per cent. for increase of population.

ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

asses of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When

attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered,

the case is returned under the heading "no statement."

dence at inquests is often insulficient to enable the Coroner to certify whether a violent death be the result of accident, murder,

ter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON.—POPULATION; BIBTHS; DEATHS from ALL CAUSES, and from Small-pox, Measles, Scarles during the Week ending

								_				. 11-				V COR		
		1					The	DEA					Wee	KIRS	Inge			
	Enume-	-		Deat	hs of	_		-		Death	s Iro	_	,	_	_		lie	808
REGISTRATION	rated Fopu-	113	TH¢.	or 1	d 60			or.	_	Soug		(or ) Fever.	rer.			108.	n Publie	Causes
SUB-DISTRICTS.	lation,	BIRTES	DEATH	under of Age.	aged at upw	pox.		Fever.	eria.	ing-e		id)	con-	.00	. 69	t Can	2 3	itled
	1881.	Total 1	Total ]	Infants Year	Persons Years	Small-pox.	Measles	Searlot	Diphtheria	hooping-cougi	Typhus	Enterio (o Typhoid)	Simple e	Diarrhos	Violence	Inquest Cases.	Deaths	Uncertified
		E L	H	Inf	Per	Su	Me	80	Ä	2	=	E I	200	D	_	1=	7	5
LONDON	3,815,704	2376	1553	599	261	-	20	6	44	19	_	8	1	271	60	113	314	1
West Districts	669,688	859	273	90	52	-	8	-	7	4	-	3	-	40	4	9	77	3
North Districts	905,947	525	338 102	186	54		1 4	-	14	3	-	2		19	8 2	17	58 88	5
CENTRAL DISTRICTS *	282,238 692,788	137	282	102	13 48	-	2	3	6	2 -	-	-	-	49	22	43	66	2
SOUTH DISTRICTS - METROPOLITAN ASYLUM HOS-	1,265,148	909	558	232	94	-	10	8	11	11	-	2	1	109	24	34	80	7
PITALS OUTSIDE REGISTRATION LONDON		-	-	-	-	_	-	-	-	-		-					-	-
WEST DISTRICTS.	59888	90	25	8	2	-		-	2		-	_	_	5	-	1	-	
St. Mary Paddington WHH G.J. a.W.M. St. John Paddington H - G.J.	37880	30 8	9	1	2		-	-	-	-	-	2		6	1	4	5 27	1
Rensington Town Ww - W.M. & C. Brompton H - W.M. & C.	120141 43010	45 13	10	10	12		-	-	-	1	-	-	-	-	-	-	2 -	-
St. Peter Hammersmith St. Paul Hammersmith W.M. & G.J. Fulham Www W.M. & C.	7/699 64340 42900	60 60	1 84 52	16 26	6		-	-	2	-	-	-	-	7 12	ī	ī	4 14	-
Fulham Wew W.M. 20	0398	15	14	5 3	3	П	-	-	-	1		-	-	2	1 -	1	2 6	-
Chelsea North-west WHHHHH C. C. C.	24925 32807	17	13 11 7	8	5	П		-	-	2 -	-	-		2	-	-	6	-
May Fair WW G.J. Belgrave WHHH C. St. John Weatminster HHH - C.	59220 RA496	9 29 23	22 12	4 7	3 7		1	-	3 -	-	-	-	-	4	1	1 -	7	ī
St. Margaret Westminster H - C.	24679	11 9	4	1	2 8		1	-	-	-		1	-	1		-	2	
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N R.	16608	7	ĭ	-	-		-	-	-	-		-	-				1	-
NORTH DISTRICTS.  All Souls Marylebone HHHH - W.M.	26759	7	9	8	2		-	-		1	-	-	-	-	1	2		
Cavendish Square HHHH W.M.	14891 24809 21118	7	2 5 11	3 4	-		-	-	1	-	-	-	-	1	-	-	2	-
Christchurch Marylebone HH - W.M.	83700 33638	26 25 19	11 10	5 4	3		-	-	=	-	1	-	•	8		1	-	-
Hampstead Weew H H N.R. & W.M.	45452	23	18	4	5	-	1	-	-	-	П	-	-	1		-	2	1
Regent's Fark Paneras H W.M. Tottenham-court whHRH N.R.&W.M Gray's Inn Lane HHH N.R. Somers Town H N.R.	89115 27729	14	9 14 18	7 10	1 2	=	=	-	=	=	=	=	-	3 4	-	1	6	1
Gray's Inn Lane HHH - N.R. Somers Town H N.R. Camden Town WH N.R.	30247 84369 17811	11 19 10	11 12	9 3	5		-	-	-	1 -		-	-	3	-	-	7	3
Kentish Town W N.K.	87487 67946	49	31	11 8	8		-	-	-	-		-	-	8	1	4	6	1
Islington South-west HH N.R. Islington South-east N.R.	100976 61895	85 35	12	13	3 5	-	-	-	-	-	=	1	-	7 2	2	8		-
Highbury H N.R. Stoke Newington H N.R.	52048 22781	25	14	8 5	1		-	-	1	-	-	-	-	3	-	-	-	1
Stamford Hill E.L. West Hackney H N.R.	9277	19	14	5	2	=	-	-	ī	-	2	ī	-	1 2	-	-	1	1
Hackney WwwwH - E.L. & N.R South Hackney E.L.	76911 39883	60 29	16	18 7	8 2	-	-	-	9	-	-	-	-	3	2	3	15	
CENTRAL DISTRICTS. St. George Bloomsbury - N.R.	16681	5	8	2	-	-	-	-	-	-			-	_	1	1	-	
St. Glies South WH N.R. St. Giles North N.R.	14864 13837	6	11	7	4 -	-	-	-	-	-	-	-	-	5 -	H	=	2 -	1:
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R. & C. St. Clement Danes H N.R.	17508 7515	5	6 3	1 2	-	-	-	-	2	-	-	-	-	1		2 -	5	1
Strand Union Workhouse, Edmonton w.	-	4 ~	6 2	4	ī	-	-	-	1 -	-	-	-	-	2 -	-1	ī	4 2	1
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R. Saffron Hill H N.R.	18671	8	10 2	1	-	-	1 -	-	3 -	-	-	1 -	-	-	-	-	8	1
# St James Clerkenwell P.K.	17516	11 11	8	1	1	=	ī	-	=	-	-	-	-	- 3	-	ī	-	1
Pentonville N.R. Goswell-street N.R.	14778 17508	13	5 5	3	1 -	-	-	-	=	=		-	-	1		1	-	1
# City-road HHL N.M.	18628	15	8	3	2	-	-	-	-	-	-	-	-	3 2 -	-	-	-	1
Whiteeross-street N.R. Finsbury - N.R. Holborn Union Workhouse, Mitcham, w.	9217 7468	10 5	1 2	-	1 -	=	-	-	-	-	-	-	-	-	-	-	-	1
St. Botolph H N.R.&E.I	11174	6 8	6	1	-	-	2	-	-	-	1-	-	-	1	-	-	_	1
St. Sepulchre H N.R. St. Bride W N.R.	8396	2	13	-	2	-	-	-	-	-	-	-	=	î	ī	8	11	
Allhallows Barking N.R. Broad Street H N.R.	13666	4	2	-	-	=	-	=	-	-	-	~	-	-	-	-	-	
									1	1	1	1		1			1	1

Note.—The Italic letters placed against the names of the sub-districts denote Publis Institutions situated therein, namely: W-Workhouse H-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving inmates from other Districts than that in which it stands see note at the foot of next page. The Eoman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East Louion; and K. the Kent Company.

DE, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

rday, the 27th July, 1889.								•			9							
							Th	e DE	ATH8	regist	ered i	n the	Wee	k in	lude			
·	Enume-			Dea	thsof					Death	s from						10	72
REGISTRATION	Popu-	rns.	тив.	er 1	d 60 wds.			1		ough,		Fever.	rer			ek.	Fublic ns.	Causes
SUB-DISTRICTS.	lation, 1881.	Вівтия	DEATHS	s under of Age.	a aged	pox.	leb.	Fever.	eria.	ing-o	1	OF (Did	con-	uea.	es.	t Cases.	un t	tied C
		Total	Total	Infants	Persons Years a	Small-pox	Measle	Searlet	Diphtheria.	Whooping-cough	Typhus.	Enteris (or Typhoid)	Simple of	Diarrhuea.	Violence.	Inquest	Deaths in Pu	Ducertified of Death
				-	- P	- 00	-	20	i a	×	T	<u>a</u> _	2	12	~	=	19	2
EAST DISTRICTS.  well Shoreditch - N.R. & E.L. connard Shoreditch $HL^w$ - N.R. on New Town to - N.R. ion Old Town - N.R. & E.L.	7376 14967 29987 28036 46275	2 5 25 15 32	2 4 16 10 28	1 2 7 4 12	1 6 2 3	1111			2	11111	11111	11111	11111	- 5 3 7	6	2 7	- 1 6 - 9	11111
cney-road $H$ E.L. n, Bethnal Green $WHL^*$ - E.L. ch, Bethnal Green E.L. n, Bethnal Green E.L.	29738 47932 29981 19810	14 27 20 20	9 18 6 5	4 8 2 2	5 1 -				-	1 -	1111	1111	1111	2 2 2 2	1111	1 1 -	4 -	-
Ifields   E.L. & N.R.	22585 15478 17490 9713 6102	7 11 7 7	6 11 20 2	1 5 4 2	1 8 -	- 1 1 1 1	1		2 -	11111		1111	11111	1 2 3 1	- 5 -	8 -	5 16 -	
leorge's, North E.L. ohn, St. George East W - E.L.	88747 8410	25 3	15	8	2		1 -	-	-	-	-	-	-	2 -	2 -	3 -	2	-
well HH E.L.& N.R. liff E.L. thouse E.L.	10895 16107 82041	6 11 22	8 9 11	3 2 5	1 1	1 1 1	-	- - 1	1 -	-	-	-		3 - 1	2	1 2 2	6 -	î
End Old Town West - E.L. End Old Town East WwwH-E.L.	37960 67653	24 52	31	8	8		-	-	-	-	-	-	-	3	ī	- 2	5	- 1
nley wwwH E.L. ar. WWH E.L.	37074 64359 55077	20 49 41	14 26 17	5 8 2	1 2 4			1 -	- 1	-	-	-		1 6 -	1 -4	1 4 9	9 3	
South Districts   Stehurch Southwark   WH   L. & S.	13663 14999 21381 15953 21318 26672 59555 21623	11 6 17 9 17 18 32 18	6 9 15 10 11 5 18 10	5 5 9 1 5 1 8 5	1 1 2 3 1	1111111	1 - 1	1	1	1 2	11111111	11111111	11111111	8 2 5 - 1 - 7	1 2 1 -	1 1 3 - 1 -	4 1 - 2 -	2
lave WH S. & L. her Market S. & L. lary Magdalen W S. ames Bermondsey - S. erhithe WH S. & K.	11956 16300 15669 54682 36024	11 8 12 42 28	23 6 8 17 23	7 4 3 6 10	3 2 5	11111	- - 1	11111	1				11111	1 3 1 4	3 - 1 3	5 - 1 4	19 - 2 - 4	
	15195 16351 19876 39859 45232 35332 62837 19017	6 17 14 26 26 25 85 13	5 3 14 29 17 14 21 5	3 - 4 9 9 8 2	1 6 8 4 4 2	11111111	1	1	1 1 1 -	1 - 1 - 1	1111111	11111111	1	1 8 4 2 4 1	2	1	10 12	1
Battersea	54675 52587 86380 28004 13235 25553	43 57 22 84 5 33	16 32 10 14 8 10	11 17 2 9 4 8	6 2 1 3 4	114411	1	11111	1	1	11111	1	111111	5 8 1 6 2 2	3 - 1 - 1 -	3 -	3 -	111111
ich L. & S. erwell WoL*L* - S. & L. corge Camberwell - S. L. & S.	5590 59104 71089 50810	2 47 41 48	1 29 28 11	7 12 7	7 2 1	-	1 8 -	ī -	1 1 -	1	-	1	1111	1 5 3	- 1	2 -	12 1	-
aul Deptford www 'K. icholas Deptford K, iwich West H K, iwich East WHH K.	76752 7901 21972 24608	67 6 4 21	51 1 4 20	23 - 9	10 - 1 3		1 -		1	1 1		-		16 - 7	3 - 1	6 - 1	2 - 5	1
m H K. H K. tham WH K. tham H L.	5048 21559 19865 26076	8 5 18 7	1 5 11 6	1 4 8	2 2 -	-	-	-						- 2 2	ī -	1	1 -	
ton H K, wich Dockyard K, wich Arsenal HH K, otead, West H K, stead, East W K.	10980 17617 19048 14009 19241	3 13 14 11 19	6 8 3 2 12	2 4 2 1 4	1 2		11111	11111		11111	11111	11111	1 1 1 1 1	1 - 1	1	1	2	11111
politan Asylum Hospitals: artford w inchmore Hill w aistow w	=		- 1 +	111		-	111						1 1 1	1 - 1			-	

10tiowing Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the

Table oy w:—
srylebone Infirmary in Kensington Town sub-district.
strai London Sick Asylum, in Tottennam Court-road sub-district.
strai London Sick Asylum, in Tottennam Court-road sub-district.
suborn informary in Upper Holloway sub-district.
Hackney sub-district.
Hitchapel "Alie End Old Town Eastern sub-dist.
Mile End Old Town Eastern sub-dist.
Mile End Old Town Eastern sub-dist.
Mile End Old Town-Lastern sub-dist.
Trivate Lunatic Asylums in which paupers are received.

Stepney Workhouse in Bromley sub-district.

Poplar & Stepney Sick Asylum

Westmuster Unnon Industrial School in West Battersea sub-district,
Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.
Metropoitha Asylum District Hosoidas in Futbam, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford,
Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during t

	20112011.		10114	Wee	k end	ling S	aturd	lay, 2	7th J	July,	1889.							
Regis-		Area				1			The D	EATHS	regist	ered iz	the V	Veek i	inelude			
tration		in Aeres,	Enume-			Deat	ths of	1			Death	s from						144
District	REGISTRATION	inclu-	rated Popu-	HS	DEATHS	1 .0	1 60 vds.			1.		ugh.			1	38.	Public	Caus.
Sub-	SUB-DISTRICTS.	Tidal Water	lation,	BIRTHS	DEA	under of Age.	aged 60 % upwds.	) K.		Fover.	ria.	Whooping-cough		o cycle	°°	Inquest Cases.	in	
Num-		and Fore-	1881.			Infants Year o	Persons Years &	Small-pox.	Measles.	Scarlet 1	Diphtheria	loopi	Fever.	Diarrhosa	Violence.	luest	Deaths	Uncertified
bers.		shore.				Infe	Per	Sm	Me	Sca	Dip	Wh	Fe	Dia	Vie	Inc	De	1 Un
LO	NDON - OUTER RING	370,924	950,957	683	347	118	76	-	2	3	2	11	4	41	9	20	30	
30:1	Carshalton wL - Epsom (part of)*. WwH	12228 9971	21118 10710	16 4	9	1	3	2 2	-	-	1	-		-	-	-	4	
37:1	Godstone (part of) * -	2754	1235				_	_		_		_		-	-	_	-	
38:1	Croydon WwHHL -	20851	101241	53	21	8	6		_			1	2	4	-	-	1	
2	Mitcham w †	11697	17982	9	-	-	-	-	-	-	-	-	-	-	-	-	-	
89:1	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	13 19	8 21	3 4	3 5	-	-	-	-	-	1	1 -	1	2	2	
8	Esher (part of) * -	6601	9221	Б	1	-	-	-	-	-	-	-	-	-	-	-	-	
40:1	Hampton H	4578 2272	13539 21302	8 15	6	3	2		-		-	1		2		-		
2	Mortlake	2941	12331	11	6	2	-	-	-		-	-	-	1	Ŀ	-	1-	
41:1	Bromley (pt. of) * HH Chishrst(pt. of) * WHH	15669 14307	31142 15844	16 7	7	2	2	-		-		1	-	3	-	-	- 2	
42:1	Bexley H	13437	24184	19	8	2	2	-		-	-	-	-	-	-	3	-	
2	Dartford (Ww, pts. of)*	-			1		1	-	4		-	-	-	-	-	-	1	
124: 1	Staines W	11055	11685 12089	8	6	2	1 4	-	-	-	-	-	-	1	-	-	-	
125:1	Hillingdon WHH -	6029	10802	8	4	2	-	-	-	-	-	-	-	-	-	-	-	
3	Uxbridge Hayes wHL	6178 14587	3225 11523	1 3	5	1	1	-	-			=	-			-	8	
126:1	Isleworth WHH -	7008	22727	8	10	5	2	-	-	-	- 1	-	-	1	-	1	8	
3	Twickenham H Brentford HL	2477 4845	12479 27649	8	6	1	1 3	-	_	-	_	-	-	2	_	-1		
8	Chiswick	1840 6088	15975 22876	8	6	1	8	-	-			-	-	1		1	-	
127:1	Harrow H	13809	12793	15	8	2	1	_	-			-	-	1	-	-	-	
2 3	Edgware H Willesden	6994 4383	3749 27453	1 41	2 19	1 9	- 4	-	-	1	-	-	-	4	-	1	-	
4	Hendon W	8382	10484	5	6	2	-	~	-	-	-	-	-	-	-	-	-	
137:1	Bushey Watford (W, pt. of)* -	9331	6621	2	1	1	-	-	-	-	-	-	-	-		-	-	
128:1	South Mimms	15599	6391	3	8	-	2	-	1	-	-	_	-	-	-	_	-	
2 3	Barnet Finchley HL	5483 4688	10092 17615	8	1 8	-	- 1	-	-	-	-	-	-	1	-	-	- 1	
135:1	Hatfield (part of) * -	3806	583	-		-	-	-				_	-	-	_	-	-	
129:1	Hornsey H	3039	87078	80	11	2	1	-	-	-	-	1	-	2	1	2	-	
8	Tottenham H Edmonton Ww t -	4642 7483	46456 23463	48 18	21 6	10	4 3	-	-	-	1	-	-	8	1 -	2 -	8 2	
4 5	Enfield WH Waltham Abbey	12653 11017	19104	16	12	4	4	~	-	-	-	2				-	2	
6	Cheshunt	8480	7785	8	. 1	-	1	-		-1	-	-	-	-	-		-	
186:1	Stratford West Ham wwww.H\\$-	882 7351	38606 101053	29 90	11 58	4 26	1 8	-	1	1	-	- 4	-	7	1 3	1 3	- 4	
3 4	Leyton WwL	4872	82430	88	20	7	5		-	1 -		-	-	2	1	2	5	
187:1	Walthamstow H - Chigwell (part of) * H	6520 11761	28869 9669	32 8	11 3	5	1		-	-	-	-	1	4		-	1	
2	1	-		-	-	-	-	-	-	-	-		-	-	0	-	-	
189:1		6730 8493	3411 7645	- 4	-	-	-	-	-	-	-	-	-			-	-	
3	Baraing Town	4127	9203	8	5	-	-	-	-	-	1-1	1	-	-	1	-	-	

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone su district; 38:3, Esher sub-district, except the parish of Esner (pop. 1935); 41:1, Bromiey sub-district, except the parish of Calham at Knockholt (pop. 1818); 41:2, Chisienurat sub-district, except the parish of Chelafield (pop. 947); 135:1, the parish of Nortansw in Hatdle sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bosi (pop. 875); 189:1, the parish of Dagonham in Bomford sub-district, which was also parish of the Calham at C also deaths in Workhouses belonging to the Outer Ring in 42 . 2, Dartford, 187 : 2, Watford, and 187 : 1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Arylum Hospital, Winchmore Hill (see Table 5).

† Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of Mortality during the Week ending Saturday, 27th July, 1889.

			Annua	L RATE			The DE	THS	regis	tered	in th	ne W	ek i	nelude		
GREATER	Area in Acres	Estimated	of Mor per 1000	TALITY living.	DEATHS	Deat	hs of	-		I	eath	s from	1			ablic
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoss.	Violence.	Deaths in Public Institutions.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
EATER LONDON	448,334	5,642,015	17.6	4.0	1900	717	337	-	22	9	46	30	13	312	69	344
INNER LONDON - OUTER RING -	77,410 370,924	4,351,738 1,290,277	18.6	4·4 2·5	1553 347	599 118	261	-	20 2	6 3	44 2	19 11	9	271 41	60	314 30

OTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 8.—Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,657,164 Persons.

	,			and the second s	Amarian	D	EATHS		ISEASI	ss.		
		1	BIRTHS.	DEATHS.	DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
433.919	June	8	-	165	19.8	-	-	-		_	52	39
		25	337	388	22*2	9	9	2	5	5	112	211
398,777	May	31	345	415	54.0	2	39	5	5	?	103	75t
2.260.945	July	20	1166	989	22.8	1	14	3	25*	17	26	186
471,606	99	20	244	168	18.2	-	1	-	1	-	1	24
403,083	33	20	234	168	21.8	-		-	3	1	3	-
	100	20	129	100	26.2	-	6	-	-	-	-	2
153,440	23	20	108	64	21.7	-	-	-	2	1	-	-
807,000		13	196	186	31.6	-	-	2	7	6	-	56
		13	127	129	29.4	-		3	2*	1	-	69
138,309	,,	20	64	79	29.7	-	2	1	3	3	-	24
842,883	33	13	-	592	36.6		2 11		4	6	19	174
1,489,672	. ,,	6	838	897	31.4	-	-	1		1	1	402
		13	367	348	31.6	-	-				4	129
	93	13	166	172	33.9	9	-		1		-	63
315,000	,,	20	234	237	39.3	- ii			1			100
281,000	,,	13	210	235	42.9	-					1	92
811,434	39	13	506	444	28°5	-			1			78
304,356	33	13	-	182	31.2		4					6
452,907	,,	13	334	346	39.7	11.	-   -	3	. 6	1	8	1
158,084	33	13		61	20.1	1	-   -	-	-	-	-	6
404,449	June	8	***	-,	-	- 11 -		-	-	-	-	-
306,398	19	30	-	-	-	- 1		-			1	-
153,375	July	6	93	83	28.5		-   -	-				
374,838	June	27	406	376	52.3	1	-	-	1			
004.000	19	27	167	19)	42.8		1					
1,571,300	July	6	-	953	31.7		-					
	n	6	-	484	30.3		-	1	تناكا اله			
	,,,	6		422	21.2		-   .	-		1 3		
W00010	23	6	-	280	29.2	1	-   -		4 -		3	107
	433,219 773,196 398,777 2,260,945 471,606 403,083 197,723 153,440 307,000 228 218 138,30) 842,883 1,489,672 675,276 264,196 315,000 281,000 811,434 304,356 452,907 158,084 404,449 306,398 153,375 374,838 231,396 1,571,300 814,505 1,040,245	(enumerated estimated). Week end  433,219 773,196 .898,777 2,260,945 .471,606 .782,260,945 .793,196 .7	(enumerated estimated). Week ending  433,219	(enumerated estimated). Week ending    433,219	(enumerated estimated). Week ending   BIRTHS.   DEATHS.	(enumerated estimated). Week ending Exclusive of Stillborn. BIRTHS. BIRTHS. Exclusive of Stillborn. BIRTHS. BIRTHS. Exclusive of Stillborn. BIRTHS. BIRTHS. Exclusive of Stillborn. BIRTHS. BIRTHS. Exclusive of Stillborn. BIRTHS. BI	Population   Commerated of Return.   Week ending   Births.   Draths.   Braths.   Exclusive of Stillborn.   Stillborn.	POPULATION   Conumerated or estimated   Copy   Return   Copy   Return   Copy	POPULATION   Commerciated or estimated).   DATH   OF RETURN.   BIETHS.   DEATHS.   D	POPULATION   Commerce   Commerc	POPULATION   Cenumerated   OF RETURN.   Week ending   Stellborn.   DEATHS.   Exclusive of Stillborn.   Stil	Corpulation   Corput   Corpulation   Corpulation   Corpulation   Corpulation   Corput   Cor

<sup>\*</sup> Including deaths from croup. † Including 19 deaths from cholera in Calcutta, 3 in Bombay, and 5 in Madras.

TABLE 9 .- METEOROLOGICAL OBSERVATIONS taken at the RoyaL OBSERVATORY, GREENWICH, during the Week ending Saturday, 27TH JULY, 1889. Under the Superintendence of the Astronomer Boual.

2.9 2.1 0.0 barometer is 159 feet above the mean level of the sea; no eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are ...-?, positive; N. negative; w. weak; m. moderate; s. strong; and The results of all the meteorological observations are to be understood as applying to the 2.7 The means of the converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mentions With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average. The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Depriord, and their readings are registered by the Clerk of the Market, under instructions from the 27 06.0 in. 60.0 of the air from a discussion of the anemometric records for the 16 years ending 1875. of 16 Years. Miles. + 166 88 24 20 Sum +526 28 + Robinson's, Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. Horizontal Movement of the Air on each Sum 2162 24 The numbers in column 29, derived from the Campbell-Stokes correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. Mean of 24 hourly obs. 23 Pressure on the Square Foot. the aggregate duration of bright sunshine on each day. lbs. 0.0 0.0 0.0 1.0 est. NNW.NW. civil day, or from midnight to midnight. SW. & WSW SW. & WSW. N. & N.W WSW. W8W. P.M. General Direction. The height of the cistern of the WSW. W.& WSW. W. & N.W. WSW. & W 19 A.M. SSW. Of the Water of the Thames at Deptford. metrical Tables. LOW. est. 28 v. variable. High. est. on the Grass. 7.7 52.0 52.5 47.2 Of Badiation. Generally cloudy; slight thunderstorm in afternoon, with rain and hall; rain in evening; lightning at Fine generally till noon; frequent heavy rain from 1h. P.M. to 64h. P.M.; slight thunderstorms at 1h. P.M. and 5h. P.M.; afterwards fine. Generally cloudy; some rain in forenoon; slight thunderstorm at 7h. P. M., with rain. High-est in Sun's Rays. 124.6 0.401 Degree of Hu-midity (Satuequals 100). overcast: occasional slight rain Generally overcast; showery till evening. 8.4 72 28 89 14 84 till afternoon; showery afterwards, GENERAL REMARKS. Difference between the Air Temperature and Dew Point Temperature. 0.0 0.0 Jeast 7.0 9.41 F. 91 13.7 13.6 4.6 14.1 084. Mean daily 3.1 9.9 Of the Dew Point. Mean daily value. Generally fine 2.99 2.8 53.6 25.2 6.19 53.8 22.4 0 10 Generally parture 7.5 Fine 90 1 Ī 1 ŧ 1 TEMPERATURE daily value. Registered Sun above Sunshine, Horizon, in hours, in hours. 4.09 \$.19 56.4 57.1 58.2 59.5 6.99 1.89 9.91 15.9 15.8 15.8 2.91 4.91 Of the Air. Range. Daily 6.81 15.8 19.7 0 -0.3 0 3.9 2.0 3.7 0.4 1.8 4.67 2.17 53.6 53.0 6.19 LOWest, 8 2.49 0.49 6.89 64.1 2.49 0 electrometer was not in action throughout the week, (For explanation of symbols, see Note.) rected and rein. 29.458 29.718 ELECTRICITY. 209.62 29.640 29.390 29.532 094 29.586 29. 22 23 24 26 27 21 22 28 23 24 MONTH AND 1889. No. of Col. JULY. THUBS. DATE. JULY. THURSDAY . DAY. SATORDAY. MEANS TUES. Mon. WED. MONDAY TUESDAY SUNDAY SUN. FRIDAY FBI.

#### OFFICIAL COPY.

#### RETURN WEEKLY

#### DEATHS LONDON BIRTHS AND

AND IN

#### OTHER GREAT TWENTY-SEVEN

# By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

WEEK ENDING SATURDAY, AUGUST 3. No. 31. 1889. Vol. L.

Price 13d.

General Register Office, Somerset House, 6th August, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20.5 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending					Weeks	ending	
Towns.	July 13.	July 20.	July 27.	Aug.	Towns.		July 13.	July 20.	July 27.	Aug.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull - Leeds - Leicester* -	22·6 23·7 26·4 22·9 15·9 16·4 20·8 19·6 20·6	24·3 15·5 18·2 19·3 12·0 15·5 17·6 15·4 16·7 21·4 18·6 28·5	18.9 14.6 16.4 23.6 12.2 25.1 10.7 25.3 26.1	23·1 20·2 19·6 20·9 14·1 15·7 21·8 18·5	Sheffield - Sunderland	· · · · · · · · · · · · · · · · · · ·	16.0 20.4 20.5 24.0 22.5 30.5 26.7 23.3 30.3	18·7 29·9 26·9 16·0 18·2 14·7 21·3 19·2 38·1 25·6 20·4 26·8	18.6 25.1 25.3 18.8 18.0 16.5 28.0 21.8 48.6 26.1 23.4 27.2	18·4 27·0 25·9 24·3

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.3 in Plymouth and in Newcastle-upon-Tyne, 1.6 in Leeds, 1.9 in Halifax, and 6.0 in Preston; from scarlet fever, 1.1 in Huddersfield, 1.4 in Bolton, and 8.0 in Plymouth; from whooping-cough, 1.1 in Portsmouth, and 1.9 in Sunderland; from "fever," 1.5 in Preston; and from diarrhaa, 5.1 in Salford and in Sunderland, 5.9 in Birmingham, 6.9 in Leicester, and 10.5 in Preston. No death from small-pox was registered in any of the twenty-eight great towns. The 65 deaths from diphtheria included 45 in London, 5 in Manchester, 3 in Salford, and 3 in Sunderland.

### LONDON.

In LONDON 2481 BIRTHS and 1532 DEATHS were registered. Allowing for increase of population, the births were 125, and the deaths 188, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19.2, 18.7, and 18.6 in the three preceding weeks, further declined last week to 18.4. During the first five weeks of the current quarter the mean death-rate was 18.2 per 1000, and was 2.5 per 1000 below the mean rate in the corresponding periods of the ten years 1879-88.

The 1532 deaths included 25 from measles, 11 from scarlet fever, 45 from diphtheria, 22 from whooping-cough, 8 from enteric fever, 199 from diarrhæa and dysentery, 4 from cholera and choleraic diarrhea, and not one from small-pox,

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Loicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

5034 - \$610 - \$200 - \$020 - \$

typhus, or ill-defined forms of continued fever; thus, 314 deaths were referred to

these diseases, being 139 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 7; and no case of small-pox was under treatment during the week in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had declined from 33 to 20 in the five previous weeks, rose to 25 last week, but were 26 below the corrected average; 5 belonged to Pancras sanitary area. The deaths from scarlet fever, which had been 9, 12, and 6 in the three preceding weeks, rose again to 11 last week, being, however, 26 below the corrected average; 5 occurred in the West group of sanitary areas, of which 3 belonged to Kensington. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 727 scarlet fever patients, against numbers increasing from 559 to 660 in the five preceding weeks; 124 cases were admitted to these hospitals during the week, against numbers increasing from 33 to 110 in the seven previous weeks. The deaths from diphtheria, which had been 38, 25, 23, and 44 in the four preceding weeks, further rose to 45 last week, a number higher than that recorded in any week of this year, and exceeding the corrected average by 32; 2 belonged to Paddington, 2 to Kensington, 3 to Hackney, 3 to Clerkenwell, 2 to Shoreditch, 8 (including 2 hospital cases admitted from one house in Cordova Road) to Bethnal Green, 3 to Mile End Old Town, 3 to Lambeth, and 8 to Camberwell sanitary areas. The 22 deaths from whooping-cough, though exceeding the low number in the previous week by 3, were 21 below the corrected average; 3 belonged to Chelsea, and 4 to Camberwell sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 273 and 271 in the two preceding weeks, fell to 199 last week, and were 78 below the corrected average; 165 were of children under one year of age. The deaths of 4 children under two years of age were ascribed to infantile cholera, choleraic diarrhea, or English cholera.

The deaths referred to enteric fever, which had been 8 or 7 in each of the seven preceding weeks, were again 8 last week, and were 4 below the corrected There were 43 cases of enteric fever and not one of typhus under treatment in the Metropolitan Asylum Hospitals on Saturday last; 10 cases were admitted during the week, against 9, 2, and 8 in the three previous weeks.

The deaths referred to diseases of the respiratory organs, which had been 141 and 160 in the two preceding weeks, further rose to 182 last week, but were 11

below the corrected average.

A female, aged 34 years, who died in Charing Cross Hospital, was reported, after inquest, to have died "whilst under an anæsthetic prior to intended operation."

Different forms of violence caused 70 deaths; 55 were the result of negligence or accident, among which were 19 from fractures and contusions, 2 from burns and scalds, 12 from drowning, 5 from poison, and 10 of infants under one year of age from suffocation. The 19 deaths from fractures and contusions were thus caused:-3 by accidents from vehicles and horses in the streets; 4 by accidents on railways; 1 by fall from scaffold; 1 by fall from ladder; 1 by fall in street; 1 by fall over heap of bricks; 4 by fall down stairs; 2 by fall in room; and 2 by fracture, the cause of which was not stated. An inquest was held in each of these cases, except one of the last two. Twelve cases of suicide were registered, exceeding the corrected average by 5.

GREATER LONDON.

In Greater London 3315 births and 1934 deaths were registered, corresponding to annual rates of 30.7 and 17.9 per 1000 of the estimated population. Outer Ring 64 deaths from diarrhea and 9 from diphtheria were registered. The fatal cases of diarrhea included 10 in West Ham, 8 in Isleworth, 5 in Willesden, 5 in Hornsey, and 5 in Tottenham sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenich, the mean reading of the barometer last week was 29.85 ins.; the highest reading was 29.97 ins. on Tuesday morning, and the lowest 29.68 ins. on Saturday afternoon. The mean temperature of the air was 64.9, and 2.3 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Sunday, Monday, and Saturday, but above the average on the other days of the week, the excess on Thursday being 7.7. The general direction of the wind was Southwesterly, and the horizontal movement of the air averaged 8.9 miles per hour, which was 1.2 miles below the average in the corresponding weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0.20 of an inch. The duration of registered bright sunshine in the week was 36.5 hours, against 48.4 hours at Glynde Place, Lewes.

TABLE 1 .- BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 3rd August, 1889.

		OITIES	AND BOROUGHS.	Cols.	- 28 TOWKE.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTEE.	NOTTINGHAM.	BIRENDEAD.	LIVERPOOL	ROLTON.	MARCHESTER.	SALFORD.	OLDHAM.	DEPENDEN.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	SHADERLAND	NEWCASTLE.	CARDIFF.	EDINBURGH.	GLASGOW.	DUBLIE.	į
	PALL.		In Centi- metres.	24.	94.0	0.21	0.20		1.00	0.38	1	1	19.0	1 1	1.19	8	•		1	1 1	1	1	99.0	1	3 0000	00 0	19.0	1	0.53	1	1.13	
ı	RAINFALL		In Inobes.	23.	0.30	0.50	0.55	1	69.0	0.15	1	1	<b>\$</b> 2.0	1 1	0.47	1	1	1	1	3			0.56	t	1	FT.O	0.54		60.0	1 1	0.45	
	ALK.	ean.	Centigrade.	22.	16.72	18.28	7.5.2		16.94	11.91	1	:	19.91		11.91	1	1	ı				1	90.91	1	1 00	20 07	17.28	ı	16.39	1 1	16.17	
	T TO	Me	·liednorde?	21.	62.1	_	0.89		62.5		1	1	0.79	1 1	61.1	8	,			,	1 1		6.09	1	. 000	8.00	63.1	1	9.19		1.19	
	LEMPERATURE OF THE AIR	.31	Tower	20.	0.97	20.4	54°0		0.00	48.8	1	1	8.8	A .	49.3	1	1	,	1		1	,	8.19	1	1 00	0.05	25.0	1	6.65	8	47.5	
	LEMPE	.10	Fahrenheit Lowes	19.	9.98	9.98	18.1	1	4.94	9.64	1	1	78.7	1 1	0.84	1	8	1	1		1 1	1	2.44	1		0.0%	0.44		277.3	3	73.8	
		Seaths	From Diseases in Cols. 6-12.	18.	6.4	3.7	9 co	5.5	0.07		7.3	-	4 0	9.00		6.9	00	9.4	2.1	10.6	000	3.5	4.1	0.4	4 7 20 7	9 0	0 10	3.7	2.8	4.0	07 08	7
Annual Rate	corresponding	Veek'sI	From All	17.	20.2	18.4	14.1	24.8	7.4.7	9.61	23.1	2.17	18.8	14.8	23.4	9.61	0.42	24.5	8.83	49.6	12.4	19.3	6.03	23.5	8.16	8.86	25.9	8.17	17.2	20.2	20.2	
		U183	offitteent offitteents	16.	9/	15	29 1	1	1 0	o 1	10		oo ,	7	19	1	61	67	63 (	-1 :	- 1	63	67	-	GJ (	27 0	23 0	1	14	27	16	
ŀ			Deaths in Public Institution	15.	615	325	23 00	E .	4 -	9	36	00	2 00	. 0	9	٦	49	13	101	- 0	0 4	(0)	9	14	6	<b>3</b>	20 00	0	п	\$	47	urn,
	1		asU tesupal	14.	235	_	21 4	00	1 -	1 01	13	00	48 4	<b>e</b> n c	17	7	13	2	67	1 r	٦ -	-	10	10	20	00 .	47 0	9 7	gu.	٥.	1	nis Ret
	lae	T	Vlolence.	13.	138	20	7 7	63	1	67	70	41	00 F	1 7	12	1	10	83	1	1 .		-	4	41	1	47 (	7 -	H .	co	13	-	6 of th
Ш	The Deaths registered in the west include	-	.amdrraid	12.	578	199	. ez	90	10	0 00	19	50	15	8 4	F 00	9	21	23	11	9	17.	4 67	11	30	20	17	25	2 2	4	22	00	See note on first page of this Return.
	2 40		Fever.	11.	41	00 1	- 1	Н	1 0	9 1	-	1	4	8 1	9	1	63	3	1 :	-1 0	o 1	1	1	4	67	-	L	Н	н	70	c3	on fir
11	ום ום נו	from	Whooping-	10.	69	22	- 65	1	H 0	1 1	4	•	1	1 0	21 rd	-	10	-	63		54 1	1	co	63	63	00 :	0	9 1	00	9	-	note
П	gister	Deaths from	Diphtheris.	9.	65	45			1	8 1		-	H	1	1 -		10	000	1	ı		1		-	-	1	တ	1 1	1	H	8	• See
Н	THBre	٩	Scarlet Fever.	00	59	11	1 1	-3	12	1 1	70	1	8	Н	1 10	9 00	10	4	1	63	1 0	3 1	67	8	10	1	r i	- 1	1	63	4	
Ш	e DEA		Measles.	7.	62	25	c)	1	61	1 1	63	1	1	1 1		4 63	q	1	1	1	120	1 00	4	11	1	-	63 .	8 1	03	1	41	
	E		.xoq-llam2	6.	3	1	1 1	1	1	1 1	1	,	1	1	1	1 1		1	1	1	1	1 1	-	1	1	1	1	1 1			1	
		to st	Persons aged 60 Years and upwards.	5.	804	312	9 9	2 1	6	17	27	11	17	00	20 0	3 0	20	13	13	00	12	2 0	9.4	83	20	20	91	13 8	17	27	53	
		Deaths	ln fante under 1 Year of Age.	4.	1361	555	11 %	18	00	12 23	84	34	32	10	ග ද	8 =	, Y	41	56	12	32	9 [[	86	8	46	33	23 2	8 2	19	20	41	
	during	nading 1880.		90	3763	1532	88 2	23. <del>4</del>	37	3 K	201	62	06	35	29	2/2	100	110	65	47	20 G	8 8	70	159	130	87	42	47	88	208	140	۱
LABLE	Registered during	the Week ending	BIRTHS, DEATHS.	0;	5770	2481	946	82	09	146	272	87	129	47	63	090	954	142	92	93	17	3 %	187	225	210	163	102	88	143	343	174	۱
1	Z Z	POPULATION th		1.	9.555.406	4.351.738	121,807	141,253	78,225	229,361	454.835	150,520	237,812	98,529	102,541	114.670	000 000	284.283	142,405	121,275	104,194	81,080	285.056	357,449	827,227	208,017	184,193	112,712	266,900	528,144	353,082	
		N N N N N N N N N N N N N N N N N N N	18°	Cols.	• • ®WW0 ₩ 8 €	Lounon	BRIGHTON	POBIEMOUTH .	PLYMOUTH .	HRISTOL	Browing HAM.	LEICESTER	NOTTINGHAM	DERBY	BIRKENHEAD .	LIVERPOOL	di de la constante de la const	SALPORD.	OLDHAM .	BLACKBURN	PRESTON	HALIFAX -	RRADRORD .	LEEDS	SHEFFIELD .	Horr	SUNDERLAND	CARDINE	EDINBURGH	GLASGOW .	DUBLIN	

Table 2. LONDON.—Births and Deaths Registered in the Thirty-first Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males  Females .	2396	2270	2242	2546	2505	2589	2164	2336	2317	2530	2605·7	2481
	1206	1092	1129	1329	1253	1900	1109	1181	1173	1306	1917·1	1216
	1190	1178	1113	1217	1252	1289	1055	1155	1144	1224	1288·6	1265
TOTAL Deaths Males Females .	1349	1698	1717	1369	1465	1767	1720	1620	1759	1309	1720·0	1532
	706	883	854	686	738	938	985	836	938	663	891·7	825
	643	815	863	683	727	829	785	784	821	646	828·3	707

The numbers in this column are the average weekly numbers in the thirty-first weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population,

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LO	JNDUN.—I	1111111	, ,	11110,	and 1	TE LE	OKOLC	761 11	the	Liast	1 HIR	PEEN	WEER	18.
		May 11.	May 18.	May 25.	June 1.	June 8.	June 15.	June 22.	June 29.	July 6.	July 13.	July 20.	July 27.	Aug.
TOTAL Births		2565	2648	2402	2405	2523	2396	2636	2467	2507	2306	2627	2376	2481
TOTAL Deaths		1295	1231	1267	1151	1306	1247	1243	1265	1350	1605	1556	1553	1532
Ages at Death 0-20 20-40 40-60 60-80 at 80 years	years - "," ars & upwds.	577 175 251 245 47	571 169 205 292 54	608 152 221 224 62	506 148 209 237 51	601 186 245 284 40	564 173 227 236 47	575 180 218 225 45	572 179 232 229 53	722 168 221 205 34	902 151 282 257 63	908 164 197 245 42	898 166 228 212 49	850 161 209 261 51
** {Under 1-5 5-20	1 year	287 218 72	267 225 79	301 222 85	242 181 83	906 205 90	293 184 87	281 203 91	315 189 68	429 208 85	61 <b>7</b> 196 89	631 197 80	599 216 83	555 193 102
Diph Who	les et fever - theria - oping-cough	- 60 10 23 37	58 7 24 36	47 16 21 48	S1 4 16 49	39 12 34 26	32 11 26 37	29 17 27 27	53 10 13 27	3I 9 38 32	30 9 25 26	29 12 23 29	20 6 44 19	25 11 45 22
, , Ente , Simp Diar	ric fever - deContafever rhœa and } rsentery -}	5 4 10	7 -1 14 -	5 1 13	9 14 -	3 4 19	8 2 34	7 - 40 -	8 1 57	8 155 5	8 2 258 10	273	8 1 271 10	199
,, ,, all	the above- } ed Diseases }	149	142	152	123	138	150	141	149	278	368	383	379	314
Phth , Dis.	of Respira- ory System isis - of Circula- ory System	213 125 134	217 137 97	177 148 98	162 144 101	205 174 97	169 162 106	171 155 128	169 187 99	148 138 94	158 127 117	141 136 102	160 150 91	182 126 110
Violent Deaths Inquest Cases Deaths in Public	Institutions	66 125 310	51 85 311	48 89 342	55 104 290	58 91 323	48 109 290	53 105 324	39 90 314	51 90 280	83 129 356	43 83 348	60 113 314	70 115 325
TEMPERATURE OF Mean Mean of Highes Mean of Lowest	t readings -	57.7 67.9 49.1	54.0 64.5 46.7	61·9 75·1 50·8	55·7 64·9 48·0	64·3 77·2 53·4	56.8 64.0 51.7	59.6 72.4 49.7	64·1 77·1 52·1	63·3 74·6 53·7	63·0 72·9 56·2	58·7 69·9 51·3	58·1 67·7 51·9	64.9 76.2 55.3
Humidity of the A Rain-fall in inche Registered Sunshi		77 0·71 37·5	85 0·19 27·7	77 0·51 49·1	82 1·33 47·2	78 0·31 50·1	89 1·73 3·8	76 0·00 65·3	71 0·02 54·1	71 0·00 51·3	80 0·72 23·0	80 0·43 28·1	82 0·90 26·5	76 0·20 36·5

## METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Bsq., F.S.A., Brighton: John Merrifield, Esq., Ll.D., Plyrouth R. C. Cann Lippincott, Esq., Bristol; F. Simpson, Esq., Wrottesley, Wolverhampton Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-ham; J. Hartuup, Esq., F.R.A.S., Liverpool; H.O. Filkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.F.-S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sungerland: and Wm. Lyall, Esq. Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Thirty-first Week of the Year 1889.

THIRTY-FIRST Week of the Year 1889.																					
	In the Week ending Saturday, 3rd August 1889.									Averages for the eks of the 10 years 1879-88.**	In the Week ending Saturday, 3rd August 1889.										
_	es for the	Deaths of Persons of the Ages							١	•	ges fo	Deaths of Persons of the Ages									
	Averages for the 10 1879-88.	Under   0, 0, 10, 10, 10, 10, 10, 10, 10, 10, 1							nd	CAUSES OF DEATH.	vera of th		υ	Inde		r 40.		. 80.	and		
CAUSES OF DEATH.	eeks	AGES.	_	20.		under	under				ed A feeks	AGES.	-	20.	-	under 40	under	under	rds.		
	Corrected 31st Week		1.	.6.	5-20.	and	and	and	Years upwards		Corrected 31st Weel	ALL A	0-1.	1-5.	5-20.	and	40 and	and	Years upwards.		
	52	ALL	0-1.	1-6.	2	20	9	09	200		ŏ"	4	0	- 1	20	30	9	99	02		
ALL CAUSES	1720'0	1532	555	193	102	161	209	261	51	Diseases of Organs of Special Sense † }	2.3	2	1	-	-	1	-	-	-		
Small- Survaccinated	} 6.7	П		-	_	-	-	-	-	Diseases of Circulatory )	89.3	110	1	-	4	19	25	57	4		
pox No Statement	) (		-	-	-	-	-	-	-	System S				-	-	-		-	-		
Measles -	50.6	25	6 2	19	5		-	-		Croup	98.8	11 105	82	7 22	2	3	16	30	-		
Searlet Fever	36.2	-	Ľ.	-	-		-	-	٠_	Bronchitis Pneumonia	60.1	87	7	10	2	6 2	7	4	2		
Typhus Relapsing Fever't	0.0		-	-	-	-	-	-	-	Other Diseases of Respi-)	4'4 19'7	23	6	2 5	8		3	4	2		
Influenza	0.0	-	-	-	-	-	-	-	-	ratory System 5											
Whooping-cough	13.4	22 45	13 4	8 20	20		1	1		Dentition †	13.1	12	5	7	-	-	-	-	-		
Diphtheria	2.0	23		20	20					Quinsy, Sore Throat † - Enteritis	16.2	21	16	1	. ī	ī	1	=	ī		
Simple Continued and Ill-defined Fever -				,	-	-	1			Peritonitis Diseases of Liver	30.2	86 86	ī	2	ī	5	15	12	2		
Enteric Fever	11.9	8	3	1	1	3	1	2		Other Diseases of Digestive System -	36.6	37	16	-	4	5	6	6	-		
Cholera Diarrhœa, Dysentery -	277.0	199	165	21	4	-	1	6	2					-	-	-	-		-		
Remittent Fevert	0.6	1	-	-	-	1		-	-	Diseases of Lymphatic ) System & of Ductless }	1.8	1		-	1	-	-	-	-		
Hydrophobia	0.1			-		-		-		Glands †)					1						
Glanders Cowpox and Effects of \	0°2					-				Diseases of Urinary		-00					7	18	2		
Vaccination † 5	12.2	14	9	-		-	-			System	36.3	30	-	-	4	4	1	10			
Venereal Affections -	6.4	14	-	3	-	2	2								-						
Erysipelas Pyæmia and Septicæmia t	0.1	2	-	-	-	2	-	Ŀ	F	Diseases of Generative	5.6	7		-	-	3	4	-	-		
Puerperal Fever	5.1	5	-	-	-	5	-	-		Accidents of Childbirth -	4.8	5	_	-	-	4	1	_	-		
Other Zymotic Diseases	1.1	-	-	-	-	-	_	_		Diseases of Locomotive	6.8	10	1	-	5	2	2		-		
Thrush	4.9	8	8	-		-	-	-		System + S				_		_	-	-			
Worms and other Para-	0.5	-	-	-	-	-		-	-	Diseases of Integumen-	5.6	5	1	-	-	-	2	2	-		
Steleat Disousos)	-			-	-	-	-			tary System		-	-	-	-	-	-	-			
Starvation, Want of Breast-milk †	4.4	8	3	-	-	-	-	-	-	THE THE THE THE PARTY OF THE PA											
Alcoholism	4.8	9	-	-	-	6	2	1	-	VIOLENT DEATHS.§		ļ									
The state of the s			1							(ACCIDENT.) Fracture and Contusion	20.2	19	-	4	3	2	4	4	2		
Rheumatic Fever, Rheumatism of Heart	5.6	2	-	-	1	-	1	-	-	Gunshot Wound	0.0	ī	=	-	ī	-	-	-	-		
Rheumatism †	1.2	5	-	-	-	1	1	2	1	Burn and Scald	3°2 1°6	2 5	-	1	-	1	2	1	-		
Gout	2·1 3·5	6	3	3	-	-	1	2	1	Drowning Suffocation	10.9	12 12	10	1	-	1	-	1	-		
Rickets†	51.4	47	-	-		4	20	21	2	Otherwise	3.4	4	1	1	1	-	-	1			
Tabes Mesenteries -	55'3	34	22	4	3	-	1	-	-												
Tubercular Meningitis -		32	10	16	1		1	-	-	(HOMICIDE.)	1.0	3				2	1	-	-		
Phthisis	20.0	126	16	4	11		48	8	-	Murder & Manslaughter		-				-	-	-	-		
Other Constitutional		8	1		-	1	2	3	1	(SUICIDE.)											
Diseases †	5	-			-	-	-		-	Gunshot Wound	1.0	8	1 -		-	2		-	1:		
Premature Birth -	36'2	26	26				-	-	-	Cut, Stab	1.8	2	1 -				. 1		1:		
Ateleotasis +	8'7	4	4	3			-	-	-	Drowning Hanging		1 1	-		1		- 1		1:		
Congenital Malforma-	} 6.0	9	8	-			-	-	-	Otherwise	0.2	1									
Old Age	42.4	46	1				-	25	21				1								
	4440	-		-				20	2	(EXECUTION.) Hanging	- 0.1	1 -	1.		-						
Apoplexy	- 41°0 6°9	34	_		_	1 1	7	1 .				-	-	-	-		-				
Convulsions	- 53.8	48	_			1 -	-   -				96*8	87	8	3	1 .			. 2	1		
Other Diseases of Brain	} 88.5	80	2	4 1	0	6	3 1	1 21	. 2	OTHER CAUSES † -	20.8	01	1	1							
and Nervous System	-	1	1	1		1		-	1	1					-	_	-				

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9'046 per cent. for increase of population.

As the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered retitioner, the case is returned under the heading "no satement."

The evidence at inquests is often insulticent to enable the Coroner to certify whether a violent death be the result of accident, murder, as a subject, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

			The DEATHS registered in the Week include														· ·	
				Deat	aths of Deaths from													
REGISTRATION SUB-DISTRICTS.	Forume- rated Foru- lation, 1881.	Total Births	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measler.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterie (or Typhoid) Fever.	Simple con-	Diarrhoa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
LONDON	3,815,704	2481	1532	555	312	-	25	11	45	22	-	8	-	199	70	115	325	15
WEST DISTRICTS  NORTH DISTRICTS  CENTRAL DISTRICTS  EAST DISTRICTS  SOUTH DISTRICTS  METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON	669,633 905,947 282,288 692,738 1,262,148	898 550 137 484 912	284 330 94 289 535	85 108 24 111 227	62 78 15 58 99		4 7 1 5 8	5 2 1 1 2	7 8 3 13 14	4 5 - 2 11		5 - 1	-	29 35 5 48 83	14 19 7 11 19	23 28 14 26 24	69 63 80 85 78	13
WEST DISTRICTS.  St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J. Kensington Town Ww - W.M. Brompton H - W.M. & C.	120141 48010	45 18 49 15	26 8 37 13	8 1 7 1	4 - 14 4	11 11 1	11111		1 1	11111	11111		11111	3 -	3 1 2	3 1 2 1	3 4 11 1	1111
St. Peter Hammersmith - W.M. & G.J. St. Paul Hammersmith H W.M. & G.J. Fulham Wevv - W.M. & C. Chelsea North-west WHHHHH C. Chelsea North-west - C. May Fair WW G.J.	7599 64340 42900 0396 24925 32807 80353	8 60 58 21 24 21 5	82 45 18 22 11	15 15 9 3 5	12 12 5 2	11111	1 2 -	4	1	1 2 1	11 111 1	1		5 6 4 1 1	1 2 -	6 2 3	6 12 4 11 - 8	11111
Belgrave WHHH- St. John Westminster HHH - C. St. Margaret Westminster H - C. St. James Westminster WHH N.R.&G.J St. Anne Soho HHHHHHH - N R. NORTH DISTRICTS.	59220 35496 24679 29941 16608	25 28 11 11 4	26 15 9 11 4	5 6 8 4 2	7 2 1 2 1		1	1	2 -	11111				1	1	1 -	6 - 5 2 1	
- Ali Souls Marylebone HHHHH - W. M. Cavendish Square HHHH - W. M. Restory Marylebone WH G.J. & W. M. St. Mary Maryleb. HHH G.J. & W. M. Christolurch Marylebone HH - W. M. St. John Marylebone H - W. M. Hampstead Www H N.R. & W. M.	26759 14891 24809 21118 33700 33638 45452	12 7 18 22 21 20 34	14 2 7 11 12 8 13	2 1 1 4 6 4	5 1 4 4 2 1 6		1 1	1	1			1		1 1 1 3	1	1 1 1 1	1 1 1	11111
Regent's Park Paneras H - W. M. Tottenham-court wHHHH N.R.&W. M. Gray's lun Lane HHH - N.R. Somers Town H - N.R. Camden Town WH - N.R. Kentish Town W - N.R. Upper Hollowsy WWwH - N.R.	39115 27729 30247 34369 17311 87487 67946	16 6 23 24 14 46 63	16 19 12 14 13 25 29	8 6 5 6 5 8	4 1 2 3 3 4 8		3 2	1	111111	1 - 1		1		1 2 2 2 1 4	1 2 - 2 2 4	22 - 25 8 8	8 4 7 8 8 5	111111
Isington South-west HH - N.R. Isington South-west HH - N.R. Isington South-west - N.R. Highbury H - N.R. Stoke Newington H - N.R. Stamford Hill - E.L. West Hackney H - N.R. Hackney Wewwith - E.L. E.N. Isington South Hackney Wewwith - E.L. E.N. Isington South Hackney Wewwith - E.L. E.N. Isington	100976 61825 52048 22781 9277 87610	54 22 33 8 4 19 57	15 12 10 2 11 36	7 7 4 3 1 8 9	7 5 1 2 1 3	1111111	1111111		1 - 1 - 4	2 -	11111111	1 1 1 1		2 1 1 2 3	1 - 2 3	2 - 2 4	2 15	1111111
South Hackney E.L.  CENTRAL DISTRICTS.  8t. George Bloomsbury - N.R. 8t. Giles South WH N.R. 8t. Giles North - N.R. 8t. Mary-le-Strand H N.R. 8t. Clement Danes H N.R.	39883 16681 14864 18837 17508 7515 8559	7 10 2 . 4 4 5	17 2 5 4 3 1 8	6 2 1 8 - 2	9 2	1111111	1114111		1	111111		111111		1 2 - 1	1 - 2 - 3 - 1	2 2 1	1 1	1 111 11
Strand Union Workhouse, Edmonton w.  St. Geog-the-Martyr HHHHHHH N.R  St. Angrew Eastern W - N.R  Saftron Hill H - N.R  St. James Clerkenwell - N.R  Amwell Clerkenwell - N.R  Goswell-street - N.R  Gluy-road HHL - N.R  Whitecross-street - N.R  Finebury - N.R  Holborn Union Workhouse, Mitcham w.	18671 10706 6588 17516 19281 14778 17506 11541 18628 9217	9 2 4 7 14 13 28 7 3	13 8 1 5 5 6 6 1 6 2 1	3 - 1 2 2 1 - 3 - 1	1 1 1 1 1 2		1	1	1					1	1	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 2 -	1
St. Botolph   H N. H. & F.	11174 7198 5858 8396	4 3 4 4 7	11 2 3 -	1 1 1 -	1 1 2 -	11111	11111	11111	1 100 1 1 1	11111	111111	111111				1	10	1

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse E-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving immates from other Districts than that in which it stands see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East Louion and K. the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

	1111						The !	DEAT	HS P	gister	ed in	the	Week	ineli	ade			
	Enume-		1	eaths	ot				D	eaths	from						31	98
REGISTRATION RUB-DIMTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Age	Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	simple con-	Diarriices.	Violence.	Inquest Cases.	Deaths in Public	Uncertified Causes of Death.
EAST DISTRICTS.    Nowell Shoreditch - N.R. & E.L.     Leonard Shoreditch + HL* - N.R.     Into New Town w - N.R.     Into New Town - N.R.     Int	7876 14967 29937 28036 46275	3 3 21 26 37	1 5 13 12 23	- 4 6 6	1 3 4 1 4	11111	11111	11111	1 - 4	2	11111	11111	11111	2 1 3	2	2 2	4 4	11111
ackney-road H- reen, Bethnal Green WHL* - E.L. hurch, Bethnal Green - E.L. own, Rethnal Green - E.L.	29788 47932 29981 19810	25 29 22 18	11 28 11 12	7 10 4 6	11 2 -	-	-		1 2		1111	1 1 1 1	. , , ,	4 4 2	1 - 1	1 2	11	1111
pitalfields - E.L. & N.R. file End New Town W - E.L. bloodman's Fields - E.L. ldgate - N.R. k.R. k.R. k.R. k.R. k.R. k.R. k.R.	22585 15478 17490 9713 6102	12 19 7 6 8	8 9 21 -	5 5 - 2	1 4	11111	1	11111	11111	11111			11111	1	1111	2 1 4 -	17	
t. George's North E.L. t. John, St. George East W - E.L.	38747 8410	31 10	13 10	6	2 2	-	2	-	-	-	-	-	-	4	ī	2	5	=
hadwell HH - E.L. N.R. Rateliff E.L. Limehouse - E.L.	10895 16107 32041	7 12 19	10 3 12	3 1 4	1	1 1 1	-	-	1 -			-		1 1 2	1		8 -	-
wile End Old Town West - E.L. Wile End Old Town East WwwH-E.L.	37960 67653	28 52	11 25	6 11	8	-	-	1	ī	-	•	-	-	6	-	-	10	-
Bow $         -$	37074	27 88 29	13 24 17	9 6	5 4 1	-	- 1		ī -	1.17	-	-		1 1	3	7	5 2	
SOUTH DISTRICTS.  St. Saviour Southwark "H L. & S.  St. Saviour Southwark " - S.  Kent-road Borough-road WH - S. & L  London-road HL - L. & S.  Trinity Newington - S. & L  St. Peter Walworth " - S. & L  Mary Newington - L. & S.	14999 21381 15958 21318 26672 59555	4 11 12 16 13 20 45 28	3 5 7 11 6 10 21 5	2 2 3 4 4 3 8 2	1 1 1 4 2	1111111	1 1 -	11111111	11111111	- 1	11111111	11111111	11111111	1 1 1 2 3 1	1 - 1	1 1 1 1 1	2 - 4 -	2 -
St. Olave WH S. Leather Market - S. & L. St. James Bermondsey - S. Rotherbithe WH S. & E.	15669 54682	3 8 10 30 33	12 14 5 21 19	2 6 1 12 9	2 2 4 -	11111	11111	-	1 -	1			11111	1 3 1 2 4	1 1 2	1 1 2	6 - 4	1
Waterloo-road lat	16351 19876 39859 45232 35832	11 15 15 37 35 9 27 16	28 22 7 11 26 4	5 4 9 8 4 1 13 3	1 3 5 3 2 6 1	1 1 1 1 1 1 1 1	1	1111111	1 - 1 -	1111111	11111111	111111	1111111	2 2 3 2 1 7	2	2 - 1	18 10 - - -	1
East Battersea         -         -         8.           Wost Battersea         WwH -         -         8.           Clapbam         H         -         -         8.           Wandsworth         WHL         -         -         8.           Pulney         -         -         -         8.	54675 52587 36380 28004 13235 25558	42 47 56 18 4 30	12 27 12 10 6 20	13 8 6 4 7	5 2 1 - 7	11111	2	11111	11111	1 1	111111	1		1 6 1 4 1 1	2 2	2 3	-	1
Dulwich Camberwell WwL*L* - S. & I. Peekham W - S. (L., & S. L.), & K. L., & S. (L., & S. L.)	71089	2 44 47 44	3 28 24 18	11 13 9	2 2 3 4	1111	1111		3 2 1	3 1				1 3 3	1 -	=	-	
St. Paul Deptford www - K. St. Nicholas Deptford - K. Greenwich West H - K. Greenwich East WHH - K.	21972	66 7 11 21	35 3 8 18	15 2 1 5	9 - 5 3	1 1 1 1	1 -	1 -	3 - 1	2 -	1111				1 1 2	1 1 4	-	
Eltham H K Lee H K Lewisham WH K sydennam H L	5048 21559 19865	21	1 3 14 6	1 - 4 1	2 2 3			1111	1111	1		-	-	3		1	-	
Chariton H K Woolwich Dockyard K Woolwich Arsenal HH K Plumstead, West H K Plumstead, East W K	10980 17617 19048	9 16 7	5 9 13 3 8	2 4 6 2 4	1 2 2 - 4		1	1 -		-				8			1 -	
Hetropolitan Asylum Hospitals: Dartford w Winchmore Hill w		-	-	-	-	-	-	-		-								

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the above Table by w:—

Marylebone Infirmary in Kensington Town sub-district.
Courtal London Sick Asylum in Tottennam Court-road sub-district.
Holborn Infirmary in Upper Holloway sub-district.
London City Workhouse "Hoxnon New Yown sub-district.
Holtorn "Hoxnon New Yown sub-district.
Whitechapel "Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

Metropolitan Asylum District Hospitasis in Fulnam, Hampstead, Hack-district, and Bromley sub-district.

Metropolitan Asylum District Hospitasis in Fulnam, Hampstead, Hack-district, and in Darstord, noy, Brixton, and St. Paul, Deptford sub-districts, and in Darstord, noy, Brixton, and St. Paul, Deptford sub-districts outside Registration London.

Private Lunatic Asylums in which paupers are received.

Stepney Workhouse in Bromley sub-district.

Popiar a Stepney Siok Asymm
Westminster Union Industrial School in West Battersea sub-district.

Strand and Hoborn Workhouses outside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.

Metropolitan Asymm District Hospitals in Fuliam. Hampstead, Hackney, Britton, and St. Paul, Deptford sub-districts, and in Darstord, Edmonton, and West Ham sub-districts outside liegistration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during t

Regis- tration		Area				-			I ne L	DEATH				** CG &	Herud	1	1	1
District	,	Acres, inclu-	Enume-		100	Dea	ths of	_			Death	s from	1					
and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	ding Tidal Water and Fore- shore.	Population, 1881.	BIRTHS.	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fover.	Diphtheria.	Whooping-cough,	Fever.	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public	THE PROPERTY.
LO	NON-OUTER RING	370,924	950,957	834	402	145	82	-	4	1	9	6	4	64	16	24	49	
80:1	Carshalton wL - Epsom (part of)* WwB	12228 9971	21118 10710	8	2	-	1	-	-	-	-	~		-	-	-	-	
37 : 1	Godstone (part of) * -	2754	1935	3	1 -				-		_	-	-	-	-	-	-	
38:1	Croydon WwHHL -	20851 11697	101241	64	36	12	6	-	-			-	1	3	1	1	14	
39:1	Wimbledon HHH -	3220	17982 15950	22	2	1	1	_		-	_	_	-	-	-	-	1	
3	Kingston WHH Esher (part of)	8849 6601	36354 9221	31 5	17	1	5	•	-	-	-	-	-	2 -	-	-	4 -	
40:1	Hampton H Richmond WH	4573 2272	18539	10	9	2	3	-	-	-	_	-		1	2 2	2 2	2	
41:1	Mortlake Bromley (pt. of) * HH	2941 15669	12881 81142	5	8	2 5	2 2	-			1	2	-	1 8	П	-	-	
2 42:1	Chishrst(pt.of)* WHH	14307 18437	15844	21	11	4	6	-	-	-	-	-	-	-		1	-	
2	Dartford (Ww, pts. of)*	-	24184	16	8 -	3 -	-	-	1 -	-	-	-	-	3 -	1 -	1 -	-	
124: 1	Staines W	11055 13277	1168 <i>5</i> 12089	13	7	1 2	1 2	-	-	-	-	-	-		ī	1	2	
125:1	Hillingdon WHH - Uxbridge	6029 6178	10802 5225	4 2	5 1	2 -	1 -	-	-	-	1	-	-	1	-	-	-	
126:1	Hayes wHL - Isleworth WHH	14587 7008	11523 22727	8 22	5 15	10	- 2	-	-	-	1	-		8		1	-	
2	Twickenham H Brentford HL	2477 4345	12479 27649	14 28	2 18	2 8	-	-	-	-	- 1	-	-	2		-	8 -	
4 8	Chiswick	1840 608 <b>3</b>	15975 22876	9	12 11	2 4	5	-	-	-	- 1	-	-	- 61	-	2		
127 ; 1	Harrow H Edgware H	13809 6994	12796 3749	4	4	1	1	-	1	-	-	1	-	-	-	-	-	
8	Willesden Hendon W	4383 8382	97453 10484	29 15	16 6	8 2	2	-	-	-	1	-	-	8	1	1	- 2	
137:1	Bushey Watford (W, pt. of) -	9331	6621	7	1	-	-	-	-	-	-	-	-	-		-	-	
128:1	South Mimms	15599 5433	6391 10092	8	3	-	2	-	-	-	-	-	-	-	-		1	
3	Finchiey HL	4888	17615	8 13	2 12	2	1 -	-	-	-	-	-	-	-	-	-	8	
185:1	Hattield (part of) * - Hornsey H	3306 3039	583 37078	34	14	4	1		-	-	-	-	1	-	-	-	_	
3	Tottenham H Edmonton Ww‡ -	4643 7483	46456 23463	61 25	22	8	5 2	-	-	-	1	-	-	5 1	1	3	3	
8	Waitham Abbey	12653 11017	19104 5368	17	1.6	2	8	-	-	-	-	1	-	-	-	-	1	
186:1	Cheshunt Stratford	8490	7785 38606	80	1 18	- 6	1 4	-	-	-	-	-	-	-	-	-	-	
2 8	West Ham wwwwH\$- Leyton WwL	7351 4372	101053 82480	121	40	21 6	4 6	-	1	-	1	2	1 -	10	1	4	-	
187:1	Waithamstow H - Chigwell (part of) * H	6590	28869 9669	46	14	5	2	-	-	-	-	-	-	8	-	-	1	
2	Epping (W, pt. of)* -	-	-	8 -	6	3 -	-	-	-	1 -	-	-	-	2 -	1	1 -	-	
189:1	Romford (part of) * W	6730 8493	3411 7645	6	- 8	2	-	-	-	-	-	-	-	1	-	-	-	

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone subdistrict; 39:3, Esher sub-district, except the parish of Esher (pop. 1893); 41:1, Bromley sub-district, except the parishes of Cudham and
sub-district; 187:1, Chigwell sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hatfield
also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartferd, 137:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winshmore Hill (see Table 5).

‡ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaisto, (see Table 5.)

FABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 3rd August, 1889.

			ANNUA	L RATE			The DE	<b>АТН</b> 8	regi	tered	in t	he W	eek i	nolud	8	
GREATER	Area in Acres,	Estimated		TALITY 0 living.	DEATHS from	Deat	hs of			1	eath	s from	a '			iblio
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fover.	Diarrhosa.	Violence.	Deaths in Public Institutions.
Cols.	1.	2.	3,	4,	5.	- 6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
SATER LONDON	448,334	5,642,015	17.9	3.7	1934	700	394	-	29	12	54	28	12	263	86	374
INNER LONDON - DUTER RING -	77,410 370,924	4,351,738 1,290,277	18·4 16·3	3°7 3°6	1532 402	555 145	312 82	-	25 4	11 1	<b>4</b> 5	22 6	8	199 61	70 16	325 49

TE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 100°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 Foreign Cities, having an estimated Aggregate Population of 16,657,164 Persons.

85	2				ANNUAL	DE	ATHS		Prin Diseas		ZYMO'	_
CITIMS.	POPULATION (enumerated or estimated).	DATE OF RETUEN Week endin	Hardinairo	DEATHS.	DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
LCUTTA	433,219	June 1	5   -	189	22.7	1	-		_	-	4/7	32†
MBAY	773,196		2 313	431	24.7	_	10	2	P	3	125	40+
ADRAS	398,777		7   -	_ ^	_			-	-		-	-
			7 1173	967	22.2	1	29	5	24*	14	14	172
RIS	2,260,945			189	20.8		1	_		3	2	49
18 Faubourgs.)	471,608	s, 2	250	100	200					Ů		
ISTERDAM -	403,083	so 2	7 263	171	22.2		3	-	3	1	2	-
TTBEDAM .	197,723	,, 2	7   138	100	26.2	-	4.	, <b>-</b> ,	1	_ 1	-	2
IN HAGUE -	153,440	** 2	7   106	76	25°7	-:	-	e "		1		1
PENHAGEN -	307,000	. 2	0 204	162	27.5	-	-	8	5	6	1	37
OCKHOLM -	228,218		0 143	120	27:3	-		3	4*	1	-	49
GRISTIANIA -	138,300		7 63	59	22*2	-	2	- 1	6	8	1	12
PRIBRSBURG	842,883		0   -	537	33'2	1	14	8	4	1	27	161
IRLIN	1,489,672	,, 1	3 931	920	32°2	-	3	. 4	18	6	. 8	372
AMBURG(State)	575,276	, ,,,	0 397	291	26.4	-	-	~	13*	4	3	80
RESDEN	264,198		0 172	169	33.3	5	-	1	2*	2	-1	61
RELAU	315,000		7 206	236	39.2	-	-	3	2*	7	1	61
UNIOH	281,000		0 233	215	89.9	-		. 2	5*	-	-	105
CHMNA	811,434		510	373	23*9		5	. 5	3	2	2	71
MAGUE	304.356		0 -	153	26.2	4	1	1 -1	3	3	2	4
UDA-PRSTH -	452,907	n .	299	285	32.7	-	1	3	8	-	9	63
RIESTE	158,084	,,	0   -	72	23.7	-	-	-	4*	-		7
OMB .	404,449	June	8 203	160	20.6	3	9		4	2	11	. 6
URIN (10 days)-	306,398		30   -	-		-	-	-		-	-	-
ENICE	153,375		3 65	104	35'4	7	2	-	-	7	4	17
AIRO	374,838	20	4 366	421	58.6	8	1		-	4	26	175
LEXANDRIA -	231,396	"	4 171	178	40.1	-	-	-	2*	-	7	50
	1,571,300		3	1187	39.4	1 -	4	10	28	12	4	473
IW YORK .	814,505		3 -	524	32.8	-	1	4	12	3	1	180
BOOKLYN -	1,040,245		3	607	30.4	-	6	2	5	6	11	145
ALTIMORE .	500,343	. "	3 -	276	28.8	-	-	1	-	-	3	100
ALTIMORE .	000,090			1	11	1	1	1	1	1		

Including deaths from croup.
 Including 14 deaths from cholera in Calcutta, and 13 in Madras.
 Including 7 death from malarial fever.

TABLE 9 .- METEOROLOGICAL OBSERVATIONS taken at the ROTAL OBSERVATORY, GREENWICH, during the Week ending Saturday, August 3nd, 1889.

										IV.	leteo	rolog	ice	al Obs	servati	ons.							
		a variati	Ozone.		0.0	0.0	1.0	2.0	0.6	4.5	0.9	2.2	27	ea; no	er, are ussion rr, and	imum he air duced	raphic	ement	below l, and n the	The si and	s, show	9.97 in.	le Srd;
١	Rain	in a	whose receiving	surface is 5 inches above the Ground.	in. 0.00	0.03	00.0	00.0	00.0	00.0	0.18	07.0	26	of the se	rmomet m a disc paromete mean re	the max re of the rare de	photog	ntal mov 1875. "higher	wo feet Deptfor	rometer s. strong	trument	reek to 29	M. on th
				Depar- ture from A verage of of 16 Years.	Miles.	-154	-153	-105	1 84	+112	+202	8mm -204	25	an level	bulb the uced fro for the b	eadings of the maximum temperature of the air if humidity are deduced	on of the	ending dicates	oth of tarket at instructi	ng Elect	hine Ins	of the w	by 3h. P
1	20	ı	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	83	98	140	160	359	452	Sum 1491	2.4	ve the mes	the wet ctions ded ding 1873 With the c	or the read lue of the legree of lumbres of	discussi	that the in	ed at a del Cattle Ma	Thomson's self-registering Electrometer.	kes Sunsibe unders	beginning 3h. P.M.	29.68 in.
ı	mometer		the t.	Mean of 24 hourly obs.	lbs.	0.0	0.0	0.1	0.1	7.0	1.0	:	23	eet abo sea le r. P.M.;	ter, and f corre- ears en	the corrected mean of the the mean daily value of temperature and degree and wet bulb thermomet	from	s for th	oreign Market	on's sel	bell-Sto	at the	ased to
۱	om Ane		Pressure on the Square Foot,	Least.	lbs.	0.0	0.0	0.0	0.0	0.0	0.0	:	2.3	s 159 f duce to on; 3b	mome ution o enty y rmome	rrected ean d rature	erived	record orne ir	the F	Thomse tive;	Cample day	9.83 in.	decre
ı	luced fr		Press	Great.	lbs. 0.7	0.0	1.0	1.5	1.0	67	6.7	:	21	neter i s to rea M.; no	applicathe tweethe two	the m tempe	that d	netric	hames sies of lerk of	from J	n the	from 28	e 2nd ;
	Wind as deduced from Anemometers.	Osler's.	General Direction.	P.M.	WSW. & W.	SE. & S.	SW.E. &	ů H	SSW. &	SW. & SSW.	SW.	V.	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the	eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of other photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading	The dry bulb thermometer is componed the corrected mean to the redutings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air dominimum thermometers, forming the mean daily value of temperature of the air formine the mean daily dew point temperature and degree of humidity are deflueed from the mean daily values of the dry and wet bulb thermometers by distance.	of the air is	recoformate as tyresnythm during the 20 years climally toos, and then 0 indivational movement of the art from a discussion of the anenometric records for the 16 years ending 1875. In reading, the columns 9 and 25 it will be borne in mind that + indicates "higher," and	- Tower, that the weather, The Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are regisfered by the Cherk of the Market, under instructions from the Commentation of London.	y is derived from Thomson's self-registering Electrometer. The	*, Variance.  "The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggreemed duration of bright sunshine on each day.  The results of all the meteorological observations are to be understood as anniving to the	oivil day, or from midnight to midnight.  The reading of the barometer increased from 29.83 in. at the beginning of the week to 29.97 in.  Phy 9h. A.M. on the 38th of July; decreased to 29.70 in. by 3h. P.M. on the 1st of August;	h. P.M. on th
26.]				A.M.	WSW.	WSW.	SW.	SE.	E. & SE.	WSW.	SSW.	SW	19	the cistern sen applied i	the baromete mean daily ohic records ty years end	thermometer thermometer ne mean dai	emperature	discussion te columns	The thermometers in the therm the the surface, at the end of or their readings are register formation of London	The record of Electricity is symbols employed are: -P. pos	in column 2 uration of b	m midnight f the barome the 30th of	*82 in. by 9 n. at the enc
Under the Superintendence of the Astronomer Koyal.		Water	of the Thames at Deptford.	Low- est.	• :	:	:	:		:	:	1:	18	ight of has boations	ngs of the into otographie twen	of the dry bulb 1 and minimum (column 8). The	metrical Lables. The average to	from gring th	ermom ermom ce, at t	emplo	nes imbers egate d sults o	or fro	to 29 29 29 29 15 in
ronome	TEMPERATURE.	Of the	of the Tat Dep	High-	• :	:	:	:	:	:		:	17	The her	ring th	of the dry buand minimu (column 8).	trical	the air	The the surfa	The rembols	The num the aggrega	ril day The re	creased
he Asti	EMPER			Lowest on the Grass.	96.5	53.8	51.3	2.27	0.09	48.4	9.99	50.5	16	Coo	du do cor		H H	of de		N. N.		ci o	in a
ce of t	T	1	Of Radiation.	High- est in Sun's Rays.	2.211	1.901	2.611	134.5	141.3	142.1	6.36	1.131	15			overcast after-			y; fine		till afternoon; after-		
tenden	***************************************	Degree	or Hu- midity (Satu-	ration equals 100).	72	84	72	20	70	19	95	76	14	S		overcas	erally.		ring da		fernoo		
rperin	ween	-		Least.	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	18	MARE			lne gen		lent du		till a		
the Si	ence bet	the Air Temperature and Dew Point	Temperature.	Great.	8.91	13.0	18.5	6.12	8.12	23.1	5.0	17.2	12	AL RE		morning; generally	ount; 1		preva	e e	ent rair		
Under	Differ	the Air	Ter	Mean daily value.	9.2	4.9	9.4	1.01	10.4	11.1	1.2	8.1	11	GENERAL REMARKS		morni	e in am		enerally le in foi	cloudy; fine.	freque		
		Of the	Point.	Mean daily value.	. 52.3	1.49	2.19	56.3	29.0	54.1	4.09	26.9	10	GE	Generally fine.	Rain in early ards.	Cloud variable in amount; fine generally.	fine.	Light cloud generally prevalent during day; fine; olar halo visible in forencon and afternoon; evening		Overeat with frequent rain		
ı	E.	1		De- parture from Average of	- 1.1	4.0 -	+ 4.5	8.8	4.4	+ 2.2	- 0.5	+ 2.3	6		Genera	Rain i wards.	Cloud	Very fine.	Light golar ha	Partially	Overes wards fl		
ı	RATUE		ir.	Mean daily value.	61.5	6.19	1.49	7.99	70.3	65.2	62.2	64.8	00	above rizon, hours.	15.6	20.00	15.5	15.4	15.3	15.3	15.2	Sum 107.8	80
	TEMPERATURE		Of the Air.	Daily Range.	21.2	14.4	8.12	26.3	18.1	0.22	9.2	6.03	7	red Sun ne, Ho in in							-		
ı				Low-	60.4	1.99	0.49	52.5	55.5	56.3	1.62	020.00	9	Registered Sun above Sunshine, Horizon, in hours.	60	6.9	90	12.7	5.0	2.6	2.4	Sum 36.5	29
ı	. ,			High-	6.14	2.04	78.8	78.7	9.98	78.3	9.89	2.94	25					eter Lion					
	BARO-	Mean	reading (cor-	rected and re- duced to 32° Fahren- heit).	in. 29.882	29.945	29.929	29.931	29.740	29.802	29.695	29.851	4	ELECTRICITY. (For explanation of symbols, see Note.)				The electrometer was not in action.			- 1		28
		i	Phases of the	Moon.	New.	:	:	:	:	In Equator.	:	:	3	ELI (For e				The Twas	S S S S S S S S S S S S S S S S S S S			7	
		5	;	AND .	. 98	. 29	, 30	. 31	I .	G1 .	00		ol.	53	88	. 29	. 80	31	e :	63	63		1.
		1889		Моитн аив Дах.	SUN.	Mow.	TUES.	WED.	THURS.	FBI.	SAT.	MEANS	No. of Col	DATE.	SUNDAT	Monday	TUESDAY	WEDNESDAY	THURSDAY.	FRIDAT	SATURDAY		No. of Col.

### OFFICIAL COPY.

# WEEKLY RETURN

#### IN LONDON DEATHS AND BIRTHS

## TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

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Price 13d.

General Register Office, Somerset House, 12th August, 1889.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 18.8 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	-	Weeks	ending		the angle of the services of the services		1	Weeks	ending	
Towns.	July 20.	July 27.	Aug.	Aug.	Towns.		July 20.	July 27.	Aug.	Aug. 10.
Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby -	24·3 15·5 18·2 19·3 12·0 15·5 17·6 15·4 16·7 21·4 18·6 28·5	22·0 24·5 21·4 18·9 14·6 16·4 23·6 12·2 25·1 10·7 25·3 26·1	23·1 20·2 19·6 20·9 14·1 15·7 21·8 18·5 19·3 15·7 21·8 23·2	20·9 18·7 21·9 22·7 19·5 18·0 15·7 24·5 14·3 16·7 19·1 21·6 20·3 20·5	Plymouth - Portsmouth Preston - Salford* - Sheffield - Sunderland	······································	16·0 18·2 14·7 21·3 19·2 38·1 25·6 20·4 26·8	18·6 25·1 25·3 18·8 18·0 16·5 28·0 21·8 48·6 26·1 23·4	18·4 27·0 25·9 24·3 19·7 23·8 24·7 19·6 42·6 24·5 20·7 28·8	16·4 24·5 30·8 18·8 18·0 13·9 31·4 18·5 34·6 16·9 23·9 28·4

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.3 in Wolverhampton, in Halifax, in Hull, and in Newcastle-upon-Tyne, and 3.0 in Preston; from scarlet fever, 1.0 in Sheffield, 2.2 in Huddersfield, and 4.7 in Plymouth; from whooping-cough, 1.9 in Newcastle-upon-Tyne, and 2.2 in Portsmouth; from fever, 1.0 in Preston; and from diarrhæa, 5.1 in Sunderland, 5.5 in Norwich, 5.9 in Leicester, 7.5 in Sheffield, and 11.0 in Preston. No death from small-pox was registered in any of the twenty-eight great towns. The 38 deaths from diphtheria included 28 in London, 2 in Plymouth, 2 in Birmingham, and 2 in Manchester.

LONDON.

In LONDON 2180 BIRTHS and 1365 DEATHS were registered. Allowing for increase of population, the births were 501, and the deaths 290, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined from 19.2 to 18.4 in the four preceding weeks, further fell last week to 16.4. During the first six weeks of the current quarter the mean death-rate was 17.9 per 1000, and was 2.7 per 1000 below the mean rate in the corresponding periods of the ten years 1879-88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

The 1365 deaths included 15 from measles, 16 from scarlet fever, 28 from diphtheria, 19 from whooping-cough, 2 from typhus, 6 from enteric fever, 1 from an ill-defined form of continued fever, 175 from diarrhæa and dysentery, 4 from cholera and choleraic diarrhæa, and not one from small-pox; thus, 266 deaths were referred to these diseases, being 140 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 8; and no case of small-pox was under treatment during the week in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The cause of death of a child, aged 4 years, who died in Pancras, was certified as "chicken-pox, acute ulcerative stomatitis, 17 days." The deaths from measles, which had been 29, 20, and 25 in the three previous weeks, fell last week to 15, and were 31 below the corrected average; 4 belonged to Islington and 3 to Camberwell sanitary areas. The fatal cases of scarlet fever, which had been 12, 6, and 11 in the three preceding weeks, rose last week to 16, being, however, 21 below the corrected average; 3 belonged to Kensington, 2 to Islington, 3 (including 2 in one house in Cavendish Buildings) to Holborn, and 2 to Lambeth sanitary areas. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 779 scarlet fever patients, against numbers increasing from 559 to 727 in the six preceding weeks; 98 cases were admitted to these hospitals during the week, against numbers increasing from 33 to 124 in the eight previous weeks. The deaths from diphtheria, which had been 23, 44, and 45 in the three preceding weeks, fell last week to 28, but exceeded the corrected average by 10; 3 belonged to Kensington, 2 to Pancras, 2 to Islington, 3 to St. Luke's, 2 to Shoreditch, 2 to St. George-in-the-East, and 2 to Newington sanitary areas. The deaths from whooping-cough, which had numbered 29, 19, and 22 in the three preceding weeks, fell again last week to 19, and were 17 below the corrected average; 4 belonged to Marylebone and 4 to Lambeth sanitary areas. The deaths attributed to diarrhaea and dysentery, which had fallen from 273 to 199 in the three previous weeks, further declined last week to 175, being 60 below the corrected average; 136 were of infants under one year of age, and 26 of children aged from one to five years. The deaths of 4 children under 5 years of age were ascribed to infantile cholera or choleraic diarrhœa.

The deaths referred to enteric fever, which had been 8 or 7 in each of the eight preceding weeks, numbered 6 last week, being 10 below the corrected average. The death of a female, aged 18 years, in Marylebone, and that of a male, aged 22 years, in Deptford, were certified as being caused by "typhus fever." There were 49 cases of enteric fever but not one of typhus under treatment in the Metropolitan Asylum Hospitals on Saturday last; 6 cases were admitted during the week, against 9, 2, 8, and 10 in the four previous weeks.

The deaths referred to diseases of the respiratory organs, which had risen from 141 to 182 in the three preceding weeks, fell last week to 149, and were 40 below

the corrected average.

The death of a male, aged 13 years, a resident of Willesden, which occurred in St. Mary's Hospital, was referred, after inquest, to "hydrophobia following the bite of a dog on 30th June 1889."

The death of a female, aged 34, was returned by the coroner as the result of "injury to uterus by some instrument; by whom caused not known."

Different forms of violence caused 65 deaths; 53 were the result of negligence or accident, among which were 14 from fractures and contusions, 6 from burns and scalds, 10 from drowning, one from poison, and 18 of infants under one year of age from suffocation. The 14 deaths from fractures and contusions were thus caused:—4 by accidents from vehicles and horses in the streets; 3 by accidents on railways; 1 by fall in ship; 1 by fall from window; 1 by fall into cellar; 1 by fall from load of wood; 1 by fall (during intoxication); 1 by fracture, the nature of which was not stated; and 1 by injuries from being crushed between two tanks. An inquest was held in each of these 14 cases. Eleven cases of suicide were registered, the corrected average being 9.

Greater London.

In Greater London 2807 births and 1705 deaths were registered, corresponding to annual rates of 26.0 and 15.8 per 1000 of the estimated population. In the Outer Ring 50 deaths from diarrhæa and 3 from diphtheria were registered. Of the 50 deaths from diarrhæa, 9 occurred in West Ham, 7 in Tottenham, 3 in Stratford, 3 in Barking Town, 3 in Isleworth, and 3 in Bromley sub-districts.

Professor Frankland's report upon the quality of the water supplied by the various companies to the Metropolitan area during July will be found on pages 327-28.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.70 ins.; the highest reading was 29.95 ins. on Thursday morning, and the lowest 29.43 ins. at the end of the week. The mean temperature of the air was 60.4, and 2.3 below the average in the corresponding weeks of the 20 years ending 1868. The mean exceeded the average on Sunday, but was below the average on the other days of the week. The general direction of the wind was S.W., and the horizontal movement of the air averaged 11.8 miles per hour, which was 1.1 miles above the average in the corresponding weeks of 16 years. per hour, which was 1.1 miles above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0.46 of an inch. The duration of registered bright sunshine in the week was 46.0 hours, against 51.6 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the London Water Companies who have furnished him with the average daily quantity of Water supplied during the month of JULY 1889; according to their returns 186,383,203 gallons or 846,824 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 247 gallons (112·2 decalitres), rather more than a ton by weight, to each house, and (assuming 7·8 persons to each house) 31·7 gallons (14·4 decalitres) to each person, against 29·3 gallons during July

	Number of suppli	Houses, &c.	Average daily S in Ga	upply of Water llons.
Companies.	JULY.	JULY.	JULY.	JULY.
	1888.	1889.	1888.	1889.
TOTAL SUPPLY	740,236	753,479	169,387,002	186,383,203
From Thames	356,848	<b>3</b> 63,08 <b>6</b>	83,853,966	93,636,938
	383,388	390,393	85,533,036	92,746,265
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	34,615	35,026	9,736,847	10,337,617
	70,486	71,876	15,712,773	17,247,468
	109,755	111,255	23,489,887	25,800,461
	54,456	55,563	17,003,659	19,250,692
	87,536	89,366	17,910,800	21,000,700
LEA AND OTHER SOURCES.  New River East London	150,557	152,621	32,459,000	35,437,000
	162,042	165,343	41,426,271	44,274,138
	70,789	72,429	11,647,765	13,035,127

Note.—The Return for July 1889, as compared with that for the corresponding month of 1888, shows an increase of 18,243 houses, and of 16,996,201 gallons of water supplied daily.

# Analysis of Metropolitan Water Supply during July.

Water-analysis Laboratory, The Yews, Reigate,

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of July.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.4, New River 0.6, Tottenham 0.7, Colne Valley 1.4, Chelsea 1.4, Southwark 1.6, Lambeth 1.6, Grand Junction 2.0, West Middlesex 2.2, and East London 3.0.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was, in respect of organic matter, of unusually good quality, even for this season, when this water is generally at its best, being very largely derived from springs in the chalk and colite. Of the five Companies drawing from this source, the Chelsea Company delivered the best water. All these waters were efficiently filtered.

The water abstracted chiefly from the River Lea by the New River and East London Companies was efficiently filtered. That supplied by the New River Company was of a very high degree of organic purity, surpassing in this respect even some of the deep well waters. The East London

Company's supply, on the other hand, was much inferior to any of the river waters.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a high degree of organic purity, the Kent and Tottenham

supplies being especially distinguished in this respect. The Colne Valley Company's water was softened before delivery, and was thus rendered suitable for washing. These waters require no filtration. They were clear and bright.

Seen through a stratum two feet deep, the waters presented the following appearances:— Kent, Colne Valley, Tottenham, and New River, clear and colourless; the remaining waters, clear

and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city exhibited "a diminution of the organic and nitric nitrogen, and the sample was clear in the two-foot tube."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter. The organic carbon and nitrogen are unusually high,"

The Registrar General, &c. &c.

I am, &c. E. Frankland.

#### RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

OR	Companies Local Authorities,	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES. Chelsea	July 1st, Cab Rank, Horse Guards, Whitehall.	19.0	26.94	*065	*018	0	.509	•227	1.7	18.0
	West Middlesex -	{ Cab Rank, Portland-road. }	21.0	26.66	.109	•022	0	•192	•214	1.7	18.0
	Southwark	July 1st,  Cab Rank, Bricklayers Arms, Old Kent-road.	20.1	28.08	.073	*019	0	.174	•193	1.7	18.6
Laner Circle.	Grand Junction -	July 1st, Cab Rank, Uxbridge-road, near Marble Arch.	21.2	27.26	.095	*021	0	.187	· <b>2</b> 08	1.8	18.3
Inner	Lambeth	July 1st,  Cab Rank, St. George's- road, Southwark.	20.1	27:30	•079	.017	0	154	•171	1.7	18.9
	LEA. New River	{ Cab Rank, Tottenham Court-road.	19.5	29.56	.028	.010	0	.251	•261	1.8	19.4
	East London -	July 1st, Fire Brigade Station, Commercial-road, E.	20.2	31.30	152	.026	0	•260	*286	1.9	20.0
le.	DEEP WELLS.	{ July 1st, Mill Lane, Deptford. }	13.0	43.26	.021	.002	0	·491	•496	2.6	28.6
Circ	Colne Valley	{ 5th July, Bushey. }		18.24	*065	.015	.019	*413	*444	2.1	6.7
Outer Circle.	Tottenham	{ 9th July, Tottenham. }	-	40°44	•028	•011	*065	trace	*065	2.9	21.2
Cor	poration of Birming- am*	July 1st, 37, Lord Street.	19.0	24.48	197	.028	*001	154	•183	1.2	13.8
Con	rporation of Glasgowt-	{ July 15th, Loch Katrine Water. }	15.3	2.60	•231	.046	0	•004	.050	0.7	0.82
	Column 1.	20 TO 1 TO 1 AND ADDRESS AND A POST AND AND AND AND	3.	4.	5.	6.	7.	8.	9.	10.	11.

<sup>\*</sup> Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 1st July at the Horse Guards cab-rank, had a temperature of 19° 0 C.; 100,000 lbs. of it contained 26 94 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained 065 lb. of carbon and 018 lb. of nitrogen. The above quantity of water also contained no ammonia, and 209 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 227 lb. The above weight of water also contained 1.7 lbs. of chlorine; and 18 0 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

-	_			_	_				_			=				=	_		-	-		=	=	-	-	-	_	=						-	ш
	CITIES	BOROUGHS,	Cols.	- 28 Towns.	LONDON.	BRIGHTON.	l'ortsmouth.	Drwwich.	BRISTOL.	WOLVERHAMPTON	BIRWINGHAM	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	Borron.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURK.	PRESTON.	HUDDERSPIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIER.	EDINBURGH.	GLASGOW.	DUBLIN.	
ALL.		In Centi- metres.	24.	2.34	1.17	19.7	4	11.6	1.27	3.45	1	1	1.68		1	2.12	1	1	1	1	1	1	1	ı	29.6	1	1	1	1	3.61	1	4.60	2.07	4.54	
RAINFALL		In Inobes.	23.	0.65	0.46	66.0	ı	0.00	0.20	1.36	1	1	99.0	3 1	1	1.07	1	1	1	1	1	1		1	1.03	1	ı	1	1	1.42	1	1.81	1.17	1.67	
S AIR.	Mean.	entigrade.	33	14.67	15.78	15.39	ı	1 200	97.01	13.61		1 1	14.52	1	1	14.11	,	1	ı	1	1	1	1		14.33	1	1	1	ı	76.71	1	14.17	14.20	14.53	ı
OF TH	Me	.tiednerds	21.	58.4	60.4	2.69	s	-	67.0			, ,	57.6	1	,	₽.19	1	1	1	1	1	1	ı	1	8.19	1	ı	ı	1	58.8	1	7.77	58.1	57.6	ı
ATUBE	.3	heit Lowes	20.	45.4	1.65	6.19	1	1 00 2	40.0	45.4		2 1	18.0	2 1	1	2.19	1	1	1	1	1	B	1	1	25.4	1	1	1	1	54.0	1	10.07	44.8	6.87	1
TEMPERATURE OF THE AIR.	.18	Fahrenheit Lowes	19.	78.7	78.4		1		0.03			1 1	79.8		1	2 0.29	1	,		1		1	1	1	2 69.5	ı	1	1		0.89	1	0.40	0 0		Statement of the last
1 -	eaths	From Steases in Cols. 6-12.	18.	4.3	3.I.		00 1	0.0			T.		-	-	3.1	-	0.9	4.1	4.5	6.6	8.4	0.91	2.8	o. 1	9 7.9	0.9	8.6	8.9	7.4	6.9	6.1	J	4.0		
Annual Ka per 1006,	to the Week's Death	Meron All	17.	18.8	16.4	18.0	18.5	2.81	15.7	18.3	40.0	101	0.81	14.8	6.03		22.7	27.2	6.91	18.9	6.13	34.6		1.91	19.2	20.3	23.9	9.13	78.87	8.08	24.0	No. of Street, or other Persons and Person	1.01	8.52	į
	1.0183	Uncertifie	16.	81 1	14 1	2 1		1	0 -	2 1	7	1 0	N K	0 1	2	1 20		α 63		1 1	3	1	2 1	4 1	-	2		2 2		4		-		18	1
	.8	Deaths in pildu'l and in the pildu'l and intition in the pildu'l and i	15.	574 8	320	12	<del>අත</del> 1		2 0	4	1 6	177	20 20	0 6	1 4	45		31	12	-	00	67	00	М	7	70	15	00	6	101	191	1	17	46	1
	-	Bay desupal	14.	225	114	27	00	G] (	· ·	# -	ł (	77 0	0 0	7 -	4 6	1 5	. 67	10	2 00	9 4	-	1	-	7	00	-	7 10	01	0 0	1 4	-1		2. 0	. 00	
ude		·9oneloiV	13.	121	65	H	7	1	24 0	9 -	1	9 -			- 1	1 10	0 03	1	- 00	0 00	2	1	-	1	or,	) M	0 00	1 01	0 1	-	4 60		67 ;	11	
The DEATHS registered in the Week include		.amdrasi(	12.	548	175	9	9	10	20 5	2	9	41	17	T 2	o 4	4 08	10	00	777	10	o 00	22	1	ı	0	01	4.7	10	10	200	9 41		1- 5	23	
the W		Gever.	11.	39	6	۳.	-	i	1	1 1		- ,	7 0	27	3 1	0	1 8	-		-	1 1	2	1	1	-	+ +	# r-	-	-		1		-	0 7	
ned in	Deaths from	Whooping-	10.	9	10	7	9	i	<u></u>	1 1		-	1 1	-	1 0		Ž1		23	1 0	ا د	-	1	3	-	F	1 0	7 6	- 0	0 0	0 1	- T		14	
registe	Death	.siradidqi(		38	06	07 1	1	1	63	1	1	67	1	1	1	1 :	-	-	07 1	<b>⊣</b>	1	-	E	1		1	1	1 ,	_	1 1	- 1		0.1	00 I	
EATHS		Carlet Fever.		52	16	20 20	1	1	7	1	1	2	1	1	1	1 7	# I	r	7 0	- [3	- 1	-	1 4	1 1	-	23	4 0	0	1	1	1 3		1	64 1	
The D		feasles.		58	14	2 2	1	1	1	1 0		ಎ	1	1		1 1	_		62	1	1	1 4	-	4 67		4	9 7		- C	3	4 1	-	49	- es	
	-	.xoq-llam		1 1		1 1	-	1	1	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1 1		1	-	1	1	1	1 3		1	1 1	-
	Deaths of	ersons aged 60 Years 400 Mears	d _	620	000	206	1 1	10	9	00 0	9	28	10	13	9	a 3	. 35		32	co :		T "	0 0	7 0		17	27	22.1	17	G	- c	-	29	37	
	Des	fants under l Year of Age.	nl 4	1259	10,	467	20	15	12	26	14	73	29	31	7	12	20	97	69	24	=	20	4 5	7 °		30	09	71	32	<del>-</del>	34	-	91	9 68	
durang	ending	E., INOU.	80	3437		1365	200	34	47	69	53	163	59	82	27	41	223	20	178	94	80 1	51	60	#0 96	1 1	80	139	150	98	73	53	١	22	213	
Domistored during	the Week ending	BIRTHS, DEATH	2	4838	200	2180	77	20	46	117	53	226	64	114	49	29	285	253	201	110	00 1	202	3 5	47	1	100	199	CSI	105	752	717		110	328	
-	7.	to the middle of the Year 1889.		0.555.406	DOE: COOK	4,351.738	141.953	94.510	78,225	229.361	82,544	454,835	150,520	287,812	68,253	102,541	606,562	114,670	878,800	234,283	142,405	121,275	E01,E01	81.080	040 466	235,056	357,449	177,170	7108,017	104.150	112,712		266,500	528,144	
-	14		Cola	Ī		4	• •		•		NOL	•	•						•				- 0	•	-		. (	,				-	•		
	OTETO	AND BORUUGHS.		® RW WO THOO	20 102	LONDON .	BRIGHTON .	NORWICH .	PLYMOUTH .	1.RISTOL	W OLVEBHAMPTON	BIRMINGHAM	LEICESTER *	NOTTINGHAM	l)ERBY -	BIRKENHEAD	LIVERPOOL .	NOLTON -	MANCHESTER	SALFORD	OLDHAM.		HIDDERSFIELD	HALIFAX .	Daybadan	DRADFORD	Surgerier.	HETT		Name of course	CARDIER*		LUINBURGH .	GLASGOW .	

\* See note on first page of this Return.

TABLE 2. LONDON .- Births and Deaths Registered in the THIRTY-SECOND Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births Males Females .	2327	2602	2477	2304	2261	2212	2885	2655	2634	£228	2680·9	2180
	1211	1327	1286	1214	1162	1125	1505	1367	1351	1165	1986·3	1129
	1116	1275	1191	1090	1099	1087	1380	1288	1283	1063	1294·6	1051
TOTAL Deaths  Males Females .	1223	1670	1578	1432	1312	1624	1472	1505	1885	1476	1655·0	1365
	648	894	805	785	653	862	766	793	980	773	867·9	710
	575	776	778	647	659	762	706	712	905	708	787·1	655

The numbers in this column are the average weekly numbers in the thirty-second weeks of the ten years 1879-88, raised by 9'046 per cent. for increase of population.

LONDON.-BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABL	E 3. LO	NDON.—I	JIKIH	5, DE	лінь,	anu .	LIA AS I IS	OROLO	JG 1 11	d the	Littot	THIR	LEEN	W EE	200
			May 18.	May 25.	June 1.	June 8.	June 15.	June 22.	June 29.	July 6.	July 13.	July 20.	July 27.	Aug.	Aug.
TOTAL	Births		2648	2402	2405	2523	2396	2636	2467	2507	2306	2627	2376	2481	2180
TOTAL	Deaths		1231	1267	1151	1306	1247	1243	1265	1350	1605	1556	1553	1532	1365
Ages at Death	60-80	ears	571 169 205 232 54	608 152 221 224 62	506 149 209 237 51	601 186 245 234 40	564 178 227 236 47	575 180 218 225 45	572 179 232 229 53	722 168 221 205 34	902 151 232 257 63	908 164 197 245 42	898 166 228 212 49	850 161 209 261 51	733 139 222 216 50
ΨV	$ \begin{cases}     Under 1 \\     1-5 \\     5-20 \end{cases} $	year -	267 225 79	301 222 85	242 181 83	306 205 90	293 184 87	281 203 91	315 189 68	429 208 85	617 196 89	631 197 80	599 216 83	555 193 102	467 195 76
Deaths fi	Typhus Enterio	fever - leria - loing-cough	53 7 24 36 - 7	- 47 16 21 48 - 5	31 4 16 49 - 9	39 12 34 26 - 3	32 11 26 37 - 8 2	23 17 27 27 27	33 10 13 27 - 8 1	31 9 38 32 - 8	30 9 25 26 - 8 2	29 12 23 29 - 7	20 6 44 19 - 8	25 11 45 22 - 8	15 16 28 19 2
27 29 ·	" Diarrh Dyse	œa and }	14	13	14	19	34	40	57	155	258 10	273	271	199	175
57 79	,,,	e above- \	142	152	123	138	150	141	149	278	368	383	379	314	266
59 53 93	, Phthis	Respira- y System } is Circula- y System }	217 137 97	177 148 98	162 144 101	205 174 97	169 162 106	171 1 <i>5</i> 5 128	169 137 99	143 138 94	158 127 117	141 136 102	160 150 91	182 126 110	149 128 93
Violent Inquest Deaths i	Deaths - Cases - n Public In	stitutions	51 85 311	48 89 342	55 104 290	58 91 <b>3</b> 29	48 109 290	53 105 324	39 90 314	51 90 280	83 129 356	48 83 348	60 113 314	70 115 325	65 114 320
Mean Mean	of Highest of Lowest r	readings -	54·0 64·5 46·7	61·9 75·1 50·8	55·7 64·9 48·0	64·3 77·2 53·4	56·8 64·0 51·7	59.6 72.4 49.7	64·1 77·1 52·1	63·3 74·6 53·7	63·0 72·9 56·2	58·7 69·9 51·3	58·1 67·7 51·9	64·9 76·2 55·3	60·4 72·8 52·0
Rain-fal	y of the Air l in inches ed Sunshine		85 0·19 27·7	77 0·51 49·1	82 1·33 47·2	73 0·31 50·1	89 1·73 3·8	76 0·00 65·3	71 0·02 54·1	71 0·00 51·3	80 0·72 23·0	80 0·43 28·1	82 0·90 26· <b>5</b>	76 0·20 36·5	80 0·46 46·0

#### METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.B. S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., Ll.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq. Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the THIRTY-SECOND Week of the Year 1889.

				1111	TAT 1	-515	COL	D.	17 00	k of the Tear 1805.	91					_	_	_	
	Corrected Averages for the 32nd Weeks of the 10 years 1879-88.*	38	turd	ау, 1	of Po	Lugu	st 18	89.	-1		s for the	8	aturo	aths	loth .	Aug	ust 1	889.	-
	ges he 10		De		16 As		10 01		_		ages the I.		200	tì	ie A	ges	- 1		
CAUSES OF DEATH.	Avera ks of t 879-88			nder 20.		ler 40.	ler 60.	ler 80.	And	CAUSES OF DEATH.	Averages sks of the 10 1879-88.*	Į,	υ	nder 20.		under 40.	der 60.	der 80.	and 8.
	Weel	AGES				under	under	under	Years		Wee	AGES					under	l under	Xears upwards
	Correction	ALL 7	0-1-	1-6.	5-20.	20 and	to and	on and	so Yea		Corrected 32nd Wee	ALL	0-1.	1-6.	5-20.	20 and	40 and	90 and	Adn np
ALL GAUSES	1655.0	1365	467	195	76	139	222	216	50	Diseases of Organs of Special Sense † }	5.0	2	-	1	-	-	1	-	-
Vaccinated; -	) (	-	E	E	-	-	-	-											
8mall- pox Unvaccinated	8.1			-		_				Diseases of Circulatory System }	92.0	93	1		8	10	29	45	5
No Statement Measles	46.2	15	6	9		-	H		L	G	12.4	6		4	1			_	
Searlet Fever	37'4	16	1	8	7	- (	I-	٦		Bronchitis	91.4	79 55	25 14	18 14	1 3	7	12	29 4	4
Typhus	1.1	2			1	1	۰			Pneumonia	60 · 4 4 · 4	3	1	-	-	í	-	i	H
Relapsing Fever;†	0.0			~		-				Other Diseases of Respi- ratory System}	20.2	6	2	1	1	1	1	-	
Influenza	35.8	19	5	13	1	_			Ē					-				-	
Whooping-cough Diphtheria	17.6	28	2	19	5	1	1		-	Dentition †	14·5 1·8	8	7	1 ~	-	-		-	
Simple Continued and	1.5	1					1			Quinsy, Sore Throat † - Enteritis	14'5	26	12	2	3	4 8	1 8	3 2	1
Ill-defined Fever - )	15.7	6		2	2					Peritonitis Diseases of Liver	7·3 33·7	11 23	8	-	3	2	10	8	
Enteric Fever	7:9	6	3	1	-	2				Other Diseases of Digestive System -	31.4	29	8	2	2	4	9	3	1
Cholera Diarrhœa, Dysentery -	284.9	175	136	26	1	1	2	6	3										_
Remittent Fevert	0.2	1	П	1		-	-	-	-	Diseases of Lymphatic)	2.1								
Hydrophobia	0.1	1		-	1	-		-	-	System & of Ductless Glands †	2.1				H				
Glanders	0.0			۹		-	-	-							-				
Cowpox and Effects of Vaccination †}	0°8			٥	٨	-	-		Ŀ	Diseases of Urinary System }	85.2	30		-	-	5	16	7	2
Venereal Affections -	10.2	16	12	2		1	1		-						-	-		_	_
Erysipelas	6.2	1		-		-	1	-		Diseases of Generative	4:4	4	,			2	1		
Pysmia and Septicsmia †	2.7	-			-	-	-	-		System }	4.4	1	1			3	1		
Puerperal Fever	4.2 0.2	5		2	1	1			F	Accidents of Childoren -								-	-
Other Zymotic Diseases †		-		_			_			Diseases of Locomotive )	7.3	5		1	1	1	1	1	
Thrush	4.6	2	2	-	-	-	-	-	-	System + 5							_		_
Worms and other Para-)	0.0	-	-	_	-	-	-			Diseases of Integumen-	K+0								
sitical Diseases}			-	_	_					tary System}	5.2	2	1	1	-			_	
Starvation, Want of	8.0																		
Breast-milk † 5		-								VIOLENT DEATHS.§									
Alcoholism	4.9	9	-		_	2	6	1	E	(ACCIDENT.)									
Rheumatic Fever, )	0.4									Fracture and Contusion	22.7	14	-	2	1	3	5	3	-
Rheumatism of Heartt	- 6'4	6	-	-	8	2	1			Gunshot Wound Cut, Stab	1.0	1 -	1	-	-	-	-	=	
Rheumatism †	2.9	3	-	-		-	1	2		Burn and Scald Poison	3·2 1·4	6	-	3	2	1 -			
Gout Rickets†	2.4	1 4	1	8		H	1			Drowning Suffocation	12.2	10 19	18	=	6	1 -	2	1 -	
Cancer	52.1	59	_	-		3	80	25	1	Otherwise	4.0	2	1	-	-	1	-	-	-
Tabes Mesenterica -	49'8	49	84	13	2	-	-	-					-	_	-	-	-	-	
Tubercular Meningitis -	88.8	21	8	9	3			1		(Homicide.)									
Phthisis	155'6	128	2	4	10	57	45	10		Murder & Manslaughter	1.9	1	-	-	-	1		-	
Scrofula, Tuberculosis -	20.6	24	10	5	8	3	1	2						_					
Other Constitutional Diseases † }	9.1	7	-	-	1	2	8	1		(SUICIDE.)	0.0								
			-	-						Gunshot Wound Cut, Stab	0.7	6	-	-		ī	4	1	
Premature Birth	36'4	81	31	-	-					Poison	1.7	8	-	-	ī		2		1
Atelectasis +	3.2	1	1	-	-					Hanging Otherwise	1.0 1.0	-	=	-	=	-		- 5	F
Congenital Malforma-}	7:9	10	10	-	-	-	-												
Old Age	48'6	46	-	-	-	-	-	22	24	(7)									
Annal	0010	-	1.					1/7	5	(EXECUTION.) Hanging	0.0	:							
Apoplexy Epilepsy	89.9	34	1	-	-	3	9	17	1	Tranging -					إنا				
Convulsions	21.6	40	89	1	-	-	-		H										
Other Diseases of Brain		70	8	21	7	5	10	18	1	OTHER CAUSES †	82.2	72	59	7	1	1	4	1	
and Nervous System	00 0	1 10	1 "	1	1		1	1			1	1	I						
The numbers in this						D.		C +		vears 1879-88, raised by 9°0	40				0				

<sup>\*</sup> The numbers in this column are the average weekly Deaths for the ton years 1879-80, raised by 9 000 per cent. for increase of population.

As the ten years average could not be correctly ascertained, the average for the sevent which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered the second of the property of the pro

The cultioner, the case is returned under the heading "no statement."

The ordiner at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of assident, murder, Changian phar, or suicide. All such cases are classed under "secident or negligence.".

Table 8. LONDON .- Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scart; during the Week endi

							The s	D=4	THS	agist.	ared i	n the			_	1 661	endi
,				Deni	hs of		1 116	1737	A T el o	Dest					1440	1	1 1
REGISTRATION	Enume-			-	97	-		1	1	-	1		1 .		1	١.	Public ns.
SUB-DISTRICTS.	Fopu-	Вівтия	DEATH.	under of Age.	Red	ıi.		Fever.	ė	1-60 u		(or Fever	con-			ases.	n Pu
	1881.			ats u	ons a	Small-pox	ales.		Diphtheria	hooping-cough	Typhus.	Enterie (o	1 2	rrpos	Violense	Inquest Cases.	Deaths in Pulnstitutions.
		Total	Total	Infants	Persons Years	Sma	Measles	Searlet	Dip	Who	Typ	Ente	Simple	Diarrh	Vio	Indi	Dea
LONDON	3,815,704	2180	1365	467	266	_	15	16	28	19	2	6	1	175	65	114	320
West Districts	669,688	812	234	71	57		1	8	6	3	1	-	-	31 33	9	-15 30	61 74
North Districts	905,947	493 154	307 96	100	54 15	-	7	8	10	7	-	1	-	7	5	9	36
EAST DISTRICTS -	692,788	414	247	88	52	-	1	2	2	1 8	1	3	1	28 76	15	28	64 85
METROPOLITAN ASYLUM FOS-	1,265,148	807	481	185	88	_	6	3	6	-	-	1		-	-	-	-
METROPOLITAN ASILUM PITALS OUTSIDE REGISTRATION LONDON WEST DISTRICTS.	-			_						-	•	-				_	
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	-69838 87830	30 7	21 8	7	5		-	-	1	1	-	-	-	8 -	1 2	4 3	1 5
Kensington Town Ww - W.M. & C.	120141 43010	46 17	34 15	8	10	-	-	1 -	3 -	-	-	-	-	4 2	ĩ	ī	15
St. Peter Hammersmith - W.M. & S.J.	7899 64340	39	22 33	1 8 12	7		-	- - 4	-	1 1 1		-	-	8 7	1 3	1 3	2 8
Chalas Couth WWW C.	0898	52 18	10 20	74.	2	-	-	-	-	ī.	:	-	-	- 3	1	2:	4 12
Chelsea North-west WHHHHH. C. C. Chelsea North-east	24925 32807	15 18	15	5	7 2	 I-	-	-	-	-	-		-	2	-	-	9
May Fair WW G.J.  Belgrave WHRH C.	80353 59220 35496	23 24	12 14 11	5 7	8 2 1	-	-	-	1 -	1	-	-	-	3	-	1.	3
St. Margaret Westminster H - C.	24679 29941	10	5	1	4	-	-	-	1	-	-	-	-	1	_	_	1
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R. NORTH DISTRICTS.	16608	9	3	-	î	-	-	-	-	~	-	-	-	1	-		-
THE PARTY OF THE P	26759 14891	9	12	2	1.	ı.	1 1	-	- '	1 -	-	1	-	-	1 -	1	5.
All Souts Marylebone HHHH - W.M. Cavendish Square HHHH - W.M. Restory Marylebone WH G.J. & W.M. St. Mary Maryleb HHH G.J. & W.M. Christehurch Marylebone HH - W.M.	24809 21118	9 28	10	1	1	-	-	-	- 1	1	-	-	-	- 2	1	94 -	2
St. John Mathierone 22	33700 33633	19	10	6	ī	-	1	-		1	1	Ī.	-	2 2	-	3	-
Hampstead Www H N.R. & W.M	45452 89115	27 12	20	8	6	-	2 ~	_	1 -	2	-	Ī.	-	8	-	1	5.
Tottenham-court wHHHH N.R.&W.M.	27729 30247	12 24	17 21	9	3	-	-	-	1	-	-	C	-	4	7	3 7	6
Somers Town H N.R. Camden Town WH N.R.	34369 17311	23 15 41	13 13 19	4 4 2	3 5	-	-	-	1	1 1 61	-	-	1	1 1	1	1	7
Unner Hollowsy WWWH N.R.	87487 67948 100976	44 49	42 29	11 15	10	-	1 3	-	1	-	-	1-	-	1 4	1 2	1 3	19
lalington South-west HH - N.R. Islington South-east - N.R. Highbury H N.R.	61895 52048	24 22	11	6 5	2 2		-	1	ī	-	-	-	-	3	2	2	-
Stoke Newington H N.R. Stamford Hill E.L.	22781 9277	17	4	3	3	-		-	-	2	-	-	1 1	. 2	-		-
West Hackney H N.R. Hackney WuwwH - E.L.&N.R. South Hackney E.L.	87610 76911 39888	27 56 22	12 31 8	7	8.	1 1	= .	1	4	- =	1 1 1	-	-	2	1	2	13
CENTRAL DISTRICTS.											1	1					
St. George Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North N.R.	16681 14864	9 15	9 2	2	8 -	-	=	-	-	-	-	-	=	2	=	2	5
St. Martin-in-the-Fields HH N.R. & C.	13837	7	9	2	2	-	-	_	1	_	-	-	-	-	1	1	6
St. Mary-le-Strand H N.R. At. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	3 5 -	7	-	1 1	-	-	-	-	-	-	=	-		ī	1	6
ot. Geothe-Martyr HHHHHHH N.R.	18671 10706	12	8 4	5	-		-	3	1	-	-	-	-	1	1	2	3 1
Sattron Hill H N.R.	6533 17516	18	5	-	2		=	- 3	-	-	-	-	3	-	-		- 1
Pentonville N.R.	1 19281	10 6 10	5 4	1	-		-	=	-	-	-	-	-	=		-	-
Goswell-street N.R.  One-street H N.R.  N.R.  N.R.  N.R.  N.R.	17506 11541 18628	7 25	10	2 5	-	-	-	=	-	=	-	- 1	-	- 2	-	- 1	- 1
Whitecross-street - N.K.	9217	5 6	1	-	-	-	-	=	-	-	- 1-4	1	=	-	=	-	-
Holborn Union Workhouse, Mitcham w.	11174	4	3	2	-	-	-	-	-	-	-	-	-	1	-	-	1 -
St Sepulchre H - N.R.	7198 5858	2 2	2 14	2 2	-		-	· ·	3		-	-	-	1 -	-	-	12
St. Bride W N.R. Allhallows Barking - N.R. Broad Street H - N.R.	8396	2	2	1 =	1		-	=	=	=	-	=	-	-	=	-	-
Make Stroot 17	0000	1	11		1	1	1	1	1						1	1	

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, samely. W. Work house Establishment receiving inmates from other Districts than that in which is stand five note at the tool of next page. The Koman capitals signify the Water Companies which supply the different sub-districts:—G.J. signife Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East Louion and K. the Kent Company.

GEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRICA, VIOLENCE, &c., registered in each Sub-district

			- 1				The	DEA	TH8 P	egi <b>st</b> e	red in	the	Weel	k incl	ude			
	Enume-			Death	as of				1	Death	fron	2						
REGISTRATION 8UB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Age	Persons aged 60 Years at upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or 'Typhoid) Fever,	simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DisTRICTS.  Halywell Shoreditch - N.R. & E.L.  St. Leonard Shoreditch HL*, - N.R.  Hutton New Town w N.R.  Hutton Old Town - N.R.  Riggerston WH - N.R. & E.L.	7376 14967 29937 28036 46275	5 10 32 14 16	2 3 14 7 26	1 8 2 11	- 2 7 1 3	11111	11111	11111	11111	11111	1111	11111	11111	- 1 14	1 2 1 2	3 2	2 6 7 9	1111
Packney-road H- Green, Rethnal Green WHL* Church, Bethnal Green - E.L. Town, Bethnal Green - E.L.	29788 47982 29981 19810	14 30 16 5	9 14 7 6	1 7 2 8	1 8 -		1	1	1	1111	1111	1		1 1	1111	1111	2	1 1 1 1
pitalfields - E.L. & N.R. Wite End New Town W Whitechapel Church H Goodman's Fields - E.L. Aldgate - E.L. N.R. & E.L.	22585 15478 17490 9713 6102	12 18 15 3 8	6 6 17 2 1	2 1 4 1 1	2	11111	11111	11111	1	1/1111	1 1 1 1 1	1,		11111	3 -	3 1	i3 -	11111
St. George's North St. John, St. George East W - E.L.	38747 8410	21	20 5	7	2 8	-	-	-	=	- [	-	1	-	3 -	=	8 -	4	-
Shadwell HH - E.L. N.R. Rateliff - E.L. Limehouse - E.L.	10895 16107 32041	11 8 17	8 4 9	5 2 8	i		-	-	11.1	-	-	1.1.1		2	1	1	5	
Mile End Old Town West - E.L. Mile End Old Town East WwwH- E.L.	37960 67653	21 47	14	4	3		-	-	-	-	-	1	-	2	-	1	4	-
Bow $vwwH = E.L.$	87074 64859 55077	25 42 28	10 38 20	6 10 6	1 13 5		-	1 -		1 -	-	-		3 5	1 2 2	5 5	13	111
South Districts.  Fristchurch Scuthwark WH L. & 8. St. Saviour Southwark St. St. Saviour Southwark St. St. Saviour Southwark St. St. Saviour Southwark St. Saviour St. Peter Walworth St. Saviour St. Mary Newington St. Peter Walworth St. Saviour St. Mary Newington St. Saviour St. Sav	14999 21381 15958 21318 26672 59555	9 10 8 18 9 .9 .9 31	5 4 10 6 4 3 30 10	3 6 2 1 - 12 3	1 1 1 - 9 1	11111111		1111111	1 - 1	1	1111111	1111111	11111111	2 - 2 1	3	211	2 - 7 - 7 -	1 1 1
St. Olave WH S. & L. Leather Market S. & L. St. Mary Magdalen W - S. St. James Bermondsey - S. Rotherbithe WH S. & K.	15669	6 7 7 81 33	12 6 4 15 15	5 3 3 9 6	1 2	1111	11111	1111	11111	11111	1111			1 1 4	2 -	1 2 -	6 - 1	1
Waterloo-road 1st   H -   L. & S.	19876 39859 45232 35882	8 20 10 29 35 10 34 6	7 5 19 21 17 8 13 4	2 3 7 7 6 2 4 2	3333221	1111111	1	1 1	2	1 - 1 - 1 1	11111111	1111111		1114-41	1 - 1	2 3 1 1 -	14 8	10111711
East Battersea	5467 5 52587 36380 28004 18235 25553	48 43 17 28 7 15	15 34 7 6 3 14	8 14 1 8 - 5	2 7 4 1 - 5	111111	14113	111111	1	11111	111111	1	111111	3 1 5	2 - 1 -	34	5 1 1 -	111111
Dulwich - L. & S Camberwell W. OL*L* - S. & L Peekham W - S., L., & K S. George Camberwell - L. & S	71089	46 50 37	28 21 19	1 .4 .7 11	12 5 2		1 2	1111	1111	ī			1 1 1	1 2 5 5	1		13 2	1111
St. Paul Deptford 1000 - K. St. Nicholas Deptford K. Greenwich West H K. Greenwich East WHH K.	76752 7901 21972 24608	47 3 7 18	38 5 3 23	17 3 2 7	1 1 - 5	1111	1 -	1 -	1 -	1.111	1 -	1111	1	10 1 - 4	-	8	-	2 -
Eltham H K. Lee H K. Lewisham WH K. Sydenam H L.	5048 21559 19865	2 11 17 22	1 2 7 7	1 4 8	1 2 1	1 1 1 1	1111	- 1,1 -					1 1 1 1	1			5	1111
Charlton H K Woolwich Dockyard K Woolwich Arsenal HH K Plumstead, West H K Plumstead, East W K	10930 17617 19048	5 2 14 11 18	3 6 8 4 13	1 -1	111111	1 1 1 1 1	-		-	-	1111			1	-	1		1 -
Metropolitan Asylum Hospitals: Dartford w Winchmore Hill w		=	1		-	-	-	-		-	-				-	-	-	-

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the above Table by w:-

Wa Table by \*\*:

Marylebone infirmary in Kensington Town sub-district.

Coural Loudon Sick Asylum in Tottennam Court-road sub-district.

Holborn infirmary in Upper Holloway sub-district.

\*\*Hoxon New Town, sub-district.

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Stepney Workhouse in Bromley sub-district.

Pophar & Stepney Sick Asylum
Westmanster Union industrial School in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.

Metropolitan Asylum District Hosontais in Fourism, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during

			V	Veek	endin	g Sati	urday	, 10t	h Au	gust,	1889		-				- 1
Regis-		Area							The D	EATHS	regist	ered la	a the V	Week i	nelude		
tration District		Acres,	Enume-			Desi	ths of				Death	from					
and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Foreshore.	rated Popu- lation. 1881.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Moasies.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Kerer	hiarrhus.	Violence.	Inquest Cases.	Deaths in Public
LON	TDON - OUTER RING	370,924	950,957	627	340	110	75	-	-	2	3	2	2	50	11	25	33
80:1 3	Carshalton wL - Epsom (part of) * WwH	19228 9971	21118 10710	15	6	1 2	1 8	1 1	-	-		-		1			8
87:1	Godstone (part of) * -	9754	1285	-	-	-	-	-	-	-		-	-	-	~		-
38:1	Croydon WwHHL - Mitcham w † -	20851 11697	101241 17982	48 18	37	9	10	-	-	1	1	-	-	3	1 -	8 -	1 -
89:1 2 3	Wimbledon HHH - Kingston WHH - Esher (part of) * -	3220 8549 6601	15950 36354 9221	10 19 18	4 8 2	1 50 1	2 4 1		- 1 -		-	1 -		1			1 -
40:1	Hampton H Richmond WH	4573 2272	18589 2130 <b>2</b>	10 4	3	1	1	-	-	-	-	-	-	1	1 ~	1 -	1
41:1	Bromley (pt. of) * HH Chishrst(pt.of) * WHH	2941 15669 14307	12331 31142 15844	19 11	9	1 2 2	1 8 -	-	1			-		1 8 1	1 1 1	-	- 1
42:1 2	Rexley H Dartford (Ww, pts. of)*	18487	24184	19	6 -	1 -	2	-	4 1	-	-	-	-	1 -		-	-
124:1	Sunbury w Staines W	11055 18277	11685 12089	9 5	3	93 -	3	-	-	-	-	-	-	Ŀ	-	-	-
125:1	Hillingdon WHH  Uxbridge  Hayes wHL -	6029 6178 14587	10802 5225 11523	6 1 4	4 2 13	1 - 2	1 - 3	-		-	1	-	1 1 1	-	1 -	1 - 1	1 - 8
126:1	Isleworth WHH - Twickenham H	7008 2477	22727 12479	14	13	6 5	2 ~	-	-		-	-	1 -	3	1 1	1	1 -
4 5	Brentford HL - Chiswick - Acton wH -	4345 1340 6088	27649 15975 22876	10 10 16	8 5 5		1	-		1 -	-			2	1-1	1 1 1	-
127:1	Harrow H  Edgware H  Willesden	13809 6994 4383	12796 3749 27453	10 1 27	1 11	2 - 5	1 1	-	1 1 1			-		1	1 1 1	- 2	-
187:1	Bushey Watford (W, pt. of)* -	9381	10484	7	4 2	2	1	-	1 1		-	-	-	3	-	-	1 -
128:1	South Mimms Barnet	15599 5483	6391	8	1		1	-			1 1	-	, , ,	1 1 1		-	-
3 185:1	Finehiey HL Hatfield (part of) * -	4688 3306	17615 583	10	8 -	- '	-	-	-			-	, ,	- 1	1 -	1 -	3 ~
199:1 2 8	Hornsey $H$ Tottenham $H$ Edmonton $Ww$ ‡ -	3039 4642 7483	37078 48456 23468	25 41 16	14 26 12	3 12 6	5 5 3	1 1 1	1 1 1	1 1 1			1 1 1	1 7 2	8	3 8 1	2 1
4 5 6	Enfield WH Waltham Abbey Cheshunt	12653 11017 8480	19104 5368 7785	23 2 2	8 8 1	1	1	-	-	, ,		1	, ,	1	-	1	-
186:1	Stratford	882 7351	38606 101053	38 79	15 42	9 16	1.	-	-	-	-	-	-	8	2	3	1
3 4 187:1	Waithamstow H - Chigwell (part of) * H	4372 6520 11761	32430 28869 9669	21 16 2	12 7 2	2 2 1	6 2	1 1	, ,	- 1	1	1.1	1	1 - 1		1	4 -
189:1	Epping (W, pt. of)* - Romford (part of) * W	6730	3411	- 5	- 1	-	1	,	-	-	-	-	-	-	-	-	-
3		8493 4127	7645 9203	7	- 4	2	1 -	-	-	-	-	-	-	3	-	-	-

<sup>\*</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:

30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstones district; 39:8, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parish of Culham Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Nortanaw in Hat sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875): 189:1, the parish of Dagentam in Romford sub-district in Workhouses belonging to the Outer Ring in 42.2, Dartferd, 187:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

<sup>‡</sup> Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winehmore Hill (see Table & Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5.)

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 10th August, 1889.

	1			ANNUA	L RATE			The DE	ATHS	regia	tered	in t	he W	ee <b>k</b> i	nelud	е	
		Area in	Estimated	of Mor		DEATH8	Deat	hs of			I	eath	s fron	n			Public ions.
GREATER LONDON.		Acres, including tidal water and foreshore.	Population, middle of 1889.	From	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhos.	Violence.	Deaths in Pu
С	ols.	1.	2.	8.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
EATER LOND	ON	448,334	5,642,015	15.8	3.0	1705	577	341	-	15	18	31	21	11	225	76	353
INNER LONDON OUTER RING	-	77,410 370,924	4,351,738 1,290,277	16·4 13·8	3·1 2·4	1365 340	467 110	266 75	-	15 -	16 2	28 3	19 2	9 2	175 50	65 11	320 33

OTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 Foreign Cities, having an estimated Aggregate Population of 16,657,164 Persons.

			f)			DE	ATHS	FROM	PRIN	CIPAL	ZYMO	ric
3					ANNUAL			Ι	ISEAS.	es.		_
Citima.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS. of Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhogal Diseases,
		June 22		198	23.8	_		_	_	_	51	38†
ALCUTTA	433,219	July 9	253	397	22.7	2	7		5	9	119	441
OMBAY	773,196	June 7	200	-	_	_		-	-	-	-	
[ADRAS	398,777			7050	24.3	- 3	15	10	26*	11	36	156
ARIS	2,260.945	August 3	1181	1058	19.8	0	8	-	-		-	40
th 8 Faubourgs.)	471,608	,, 3	250	190	190							
MSTERDAM -	403,083	, 3	247	178	23.3	-	3	-	5	2	1	2
OTTERDAM -	197,723	" 3	146	'96	25.1	-	1	-	-	1.	100	3
RE HAGUE .	153,440	" 3	122	76	25.7	-		-		5	-	2
OPENHAGEN -	307,000	July 27	189	165	28.0	-	2	-	8*	3	4	50
TOCKHOLM .	228.218	,, 27	144	- 85	19.4	-		3		2	-	26
HRISTIANIA -	138.300	August 3	58	57	21.4		-	1	, 4	2	1	12
r. Petersburg	842,883	July 27		479	29.7	-	6.	7.	3	2	16	129
SERLIN	1,489,672	,, 20	931	738	26'1	-	2	6	19*	~	5	267
IAMBURG(State)	575,276	,, 27	371	272	24.7	-		8	14*	3	3	78
)RESDEN	264,196	,, 27	151	144	28.3	5	-	1	2*		1	50
BRESLAU	315,000	August 3	200	198	.32*9	-	2	1	6*	2	1	50
MUNICH	281,000	July 27	211	237	44.0	-	-	1	8*		2	115
JIENNA	811,434	,, 27	525	344	22.0	1	2	3	11 2	6	1	60 8
PRAGUE	304,356	,, 27	-	159	27.3	4	-	5 2	5	3	8	53
SUDA-PESTH .	452,907	3, 27	302	240	27.5	-	_		1*	3		10
PRIRETE	158,084	,, 27		69	22.7	-						
Rome -	404,449	June 15	240	175	22.6	3	9	~ `	4	1	6‡	
TURIN (10 days)-	306,398	,, 30	243	212	25.3	-	17		2	4	4	30
VENICE	153,375	July 20	110	102	34.7	4	1	-	-	1	4	· 18
CAIRO	374,838	, 11	390	458	63.8	10	5	- 1	-	11	29	185
ALEXANDRIA -	231,396	, 11	177	205	46°2	4	1	-	1*	-	2	57
NEW YORK -	1,571,300	90	-	964	32.0	-	4	7	20	15	5	297
	074 707	" 90	11	412	25.8	-	-	2	12	4	2	128
PHILADELPHIA -		,, 20	11	536	26.9	-	5	4	2	5	17	121
RALTIMORE -		20	13	240	25.0	-	-	2	-	2	2	78
- THURE .	000,030	1				11						

Including deaths from croup.
† Including 22 deaths from cholera in Calcutta, and 17 in Bombay.
‡ Including 4 deaths from malarial fever.

Table 9 .- METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, August 10th, 1889.

0	•								27.	16660	ποιοί	yac	46 003	servai	10718.		91					
			Охоле	3.0	4.0	4.8	2.0	0.0	2.8	3.8	2.1	27	в; по	r, are	ading imum ie air duced	ygro-	ment	below and	The ; and	work,	.82 in.	So III.
	Rain	in a Gauge whose	surface is 5 inches above the Cround.	in. 0.04	0.12	0.02	00.0	00.0	0.14	0.11	Sum 0.46	26	f the se	means momete a discu	he max e of th are de	photogra	al moves 375.	o feet   eptford ns fron	ometer.	rument	week to 29.82 in.	or or no
			Depar- ture from Average of	Miles.	+ 27	+184	+101	- 71	+ 16	00	Sum +179	25	n level o	ulb ther ced fron	e corrected mean reading eadings of the maximum temperature of the air fin humidity are deduced	of the	horizon	h of tw ket at D structio	g Electrerate; s	s Sunshine Instrument, show	f the we	
ı		Robinson's.	Horizontal Movement to of the Air on each Day.	Miles.	283	442	980	188	274	253	Sum 1978	2.4	the mean	ne wet b	the read of ten ree of h	iscussion	that of 6 years at + ind	t a dept	gisterin m. mod	Sunshi	inning o	the week
ı	meters.		an 24 mily 8.	lbs.   M	4.0	6.0	F.0	0.0	2.0	1.0	20-	23	above ea level	and the	rs. With	om s do	368, and or the 1 lind th	ended s eign Cal rket, u	s self-re weak;	l-Stokes	the beg	Jo pue
ı	Anemo	Pressure on the	Me of oil		0.0	0.0	0.0	0.0	0.0				59 feet se to s	meter on of c	omete sted n dail ure a	ved fr	ling 18 ords f o in n	e susper Form	mson'	day.	in.at	by the
ı	l from	ressure	t- Least.							0.0		22	reduce	nermo licatio twent	correction mean	deri	rs enc	of th	Tho	each each	29.7c	13 in.
۱	leduce		Great.	1bs.	4.1	4.3	2.5	1.0	4.6	1.1	:	21	ometengs to	e app	d the the the the the	s that	20 yea ometr vill be	Than otties Clerk	I from	om the	d from	to 29.4
ı	Wind as deduced from Anemometers	Osler's	P.M.	SW.	SW.	WSW.	W. NW. &	WSW. &SW	SW.	SSW.	V.	20	of the bar	r, the dry brailes by the	ing 1868 for is combine its, forming ly dew point	of the air i	during the 3 of the anem and 25 it v	water of the ne of the je ed by the	v is derived from Thomson's self-registering Electrometer. The positive; N. negative; w. weak; m. moderate; s. strong; and	9, derived fright sunship	to midnight ter increase	decreased t
[7]	I	Conoral	A.M.	WSW.	SW.	SW. & WSW.	WSW. & W.	SW. & WSW.	SW. & SSW.	WSW.&SW.	SW	19	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no orrection has been applied to the realings to reduce to sea level.  Observations are remained to the realings to thouse the way of the way of the sea.	Overtwinist are usually stated as it is an individual to the wet but the means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and	during the twenty years ending 1868 for the themoneters. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the aximum thermometers, forming the mean daily value of temperature of the aximum thermometers. The mean daily dew point temperature and degree of humidity are deduced from the moon daily and degree of humidity are deduced.	trical Tables. The average femperature of the air is that derived from a discussion of the photographic	records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.  In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and — "Longer," than the average.	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the	Corporation of London.  The record of Electricity is derived from Thomson's self-registering Electrometer.  The record of Electricity is derived from Thomson's self-registering Electrometer.  The record of Electricity is derived from Thomson's self-registering Electrometer.  The record of Electricity is derived from Thomson's self-registering Electrometer.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the agreemed curration of bright sunshint on each day.  The results of all the meteorological observations are to be understood as convision to the	civil day, or from midnight to midnight. The reading of the barometer increased from 29 1/5 in. at the beginning of the ber of the dry a forcessed from 39 7/5 in. by 30, p. 3, on the 5th increased to 39 7/5 in. by 30, p. 3, on the 5th increased to 30 7/5 in. by 30, p. 3, on the 5th increased to 30 7/5 in. by 30, p. 3, on the 5th increased to 30 7/5 in.	by 90. A.M. on the 8th; and decreased to 29.43 in. by the end of the week.
Roya		Vater	Low- est.	• :	:	:	:	:	:	:	:	18	tht of	gs of t	bulb than and The	ables.	irom a ing th	e, at the	ord of	nbers gate du	or fron	f. on t
[Under the Superintendence of the Astronomer Royal.]	TEMPERATURE.	Of the Water of the Thames	High.	• :	:	:	:	:	:	:	:4	17	he heig	readin verted he pho	ing the	metrical Tables. The average to	he air in reading reading	he ther surfac ir read	porgui he recabols e	he nur	il day,	9h. 4.h
o Astro	MPER		Lowest on the Grass.	0	:	9.24	76.5	6.17	48.4	45.8	46.5	16	Corr	of t	of the color	met	of the	the			civ	rod
e of th	TE	Of Radiation.	High- est in Sun's Rays.	0 2.24	142.2	0.481	131.2	0.981	120.4	6.471	138.6	15		ht.		: ,	; fine.	wards.	evening	Showery till afternoon; generally cloudy afterwards.		
endenc		Degree of Hu- midity		r.	86	11	68	75	68	16	80	14	72	midnig	fine.	10.	general small; fine.	y after	on and	ndy af		
perint	ween		Least.	0.0	0.0	8.0	9.1	0.0	6.0	0.0	4.0	13	MARK	1 before	rwards	rwise fi	genera	ly cloud	afternoon and	rally eld		
the Su	Difference between	the Air Temperature and Dew Point Temperature.	Great.	91.4	15.8	15.2	20.2	19.0	16.4	13.1	17.4	12	L RE	me rair	n; afte	1; other	cloud was in	generally cloudy afterwards.	rain in	n; gene		
Under	Differe	the Air and Ten	Mean daily value.	9.6	4.1	7.5	2.01	6.4	2.5	2.2	6.2	11	GENERAL REMARKS	evening; some rain before midnight,	afternoon; afterwards fine	afternoon; otherwise fine.	of cloud	afternoon;	overcast; rain in	fternoo		
2	1	Of the Dew Point.	Mean daily value.	0.22	8.49	51.4	0.09	52.4	22.99	65.4	0.49	10	GE		till	in	amount (			ry till a		
ı,	E.		De parture from	+ 2.6	8.0 -	- 4.1	- 2.0	4.2 -	- 4.3	- 4.0	63	6.		Fine till	Showery	Showery	The an	Fine till	Generally	Showe		
я	TEMPERATUR	i.	Mean daily value.	65.3	6.19	9.89	2.09	8.09	28.4	6.49	4.09	90	above rizon,	15.2	15.1	1.91	15.0	12.0	14.9	14.9	Sum 105.2	80
7	LEMPE	Of the Air.	Daily Range.	. 6.	21.4	8.61	20.0	23.9	6.41	18.7	8.07	7	red Sun ne, Ho s. in ]									
×			Low-	0.	54.5	51.3	52.0	49.1	52.3	50.3	52.0	9	Registered Sun above Sunshine, Horizon, in hours.	8.0	70	9.11	8.6	6.55	2.0	4.1	Sum 46.0	29
	ı		High-	78.7	9.94	1.11	0.24	73.0	1.04	0.69	72.8	15					ter ion { ek.					
	BARO-	Mean daily reading	cor- rected and re- duced to 32° Fahren- heit).	in. 29.778	29.23	29.282	29.837	29.903	29.703	29.556	29.699	4	ELECTRICITY. (For explanation of symbols, see Note.)				The electrometer was not in action throughout the week.					28
		-	of the Moon.	First Qr.	:		:	Greatest Dec. S.	Perigee.	:	:	8	(For ex				The was no					
			9	4	125	9	2	30	6	10		1	-	4	10	9	t-	00	03	10		T
		1889.	Моите аир Day.	AUGUST.	Mox	TURB	WED.	THUES	FBI	SAT.	MEANS	No. of Col.	DATE. AUGUST.	SUNDAY	Monday .	TUESDAY .	WEDNESDAY	TRUESDAY.	FRIDAY .	SATURDAY.		TATA AR CAN
						-								- 01		54	-					-

#### OFFICIAL COPY.

# WEEKLY RETURN

#### LONDON IN DEATHS AND RIRTHS

AND IN

# TWENTY-SEVEN OTHER GREAT TOWNS.

# By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

WEEK ENDING SATURDAY, AUGUST 17. No. 33, 1889, Vol. L.]

[Price 1 d.

General Register Office, Somerset House, 19th August, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19.2 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Jeticany arrang			ending	1				Weeks	ending	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Towns.	July	Aug.	Aug.	Aug.	Towns.		27.	3.	10.	17.
	Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull -	22·0 24·5 21·4 18·9 14·6 16·4 23·6 12·2 25·1 10·7 25·3 26·1	23·1 20·2 19·6 20·9 14·1 15·7 21·8 18·5 19·3 15·7 21·8 23·2	18·7 21·9 22·7 19·5 18·0 15·7 24·5 14·3 16·7 19·1 21·6 20·3	23·4 25·0 23·2 18·4 18·0 15·9 18·1 9·0 22·5 16·9 28·1 22·8	London Manchester Newcastle-on-Tyn Norwich Nottingham Oldham - Plymouth - Portsmouth Preston Salford* Sheffield Sunderland	e*	18.6 25.1 25.3 18.8 18.0 16.5 28.0 21.8 48.6 26.1 23.4 27.2	18·4 27·0 25·9 24·3 19·7 23·8 24·7 19·6 42·6 24·5 20·7 28·8	16·4 24·5 30·8 18·8 18·0 13·9 31·4 18·5 34·6 16·9 23·9 28·4	16.6 23.0 27.9 21.5 16.2 17.2 26.7 20.7 42.6 18.7 22.6 29.5

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.0 in Hull, 3.2 in Halifax, and 5.5 in Preston; from scarlet fever, 5.3 in Plymouth; from whooping-cough, 1.5 in Birkenhead; from "fever," 1.5 in Preston; and from diarrhæa, 5.8 in Hull, 5.9 in Portsmouth and in Birin Preston; and from diarrhæa, 5.8 in Hull, 5.9 in Portsmouth and in Biringham, 6.6 in Leicester, and 11.0 in Preston. No death from small-pox was registered in any of the twenty-eight great towns. The 54 deaths from diphtheria included 36 in London, 4 in Birmingham, 3 in Sheffield, and 2 in Liverpool. LONDON.

In London 2715 BIRTHS and 1382 DEATHS were registered. increase of population, the births were 96, and the deaths 237, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the five preceding weeks from 19.2 to 16.4, was 16.6 last week. During the first seven weeks of the current quarter the mean death-rate was 17.7 per 1000, being 2.7 per 1000 below the mean rate in the corresponding periods of the ten years 1879–88.

The 1382 deaths included 18 from measles, 13 from scarlet fever, 36 from diphtheric 17 from when years 1879.

diphtheria, 17 from whooping-cough, 8 from enteric fever, 158 from diarrhæa and

dysentery, 4 from cholera and choleraic diarrhea, and not one from small-pox, typhus, or ill-defined forms of continued fever; thus, 254 deaths were referred to

these diseases, being 121 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 7; and no case of small-pox was under treatment during the week in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had been 20, 25, and 15 in the three previous weeks, numbered 18 last week, being 28 below the corrected average; 2 belonged to Newington, 2 to Lambeth, 3 to Camberwell, and 2 to Woolwich sanitary areas. The fatal cases of scarlet fever, which had been 6, 11, and 16 in the three preceding weeks, fell last week to 13, and were 20 below the corrected average; 5 belonged to the south group of sanitary areas. At the end of the week the Metropolitan Asylum and London Fever Hospitals contained 822 scarlet fever patients, against numbers increasing from 559 to 779 in the seven preceding weeks; 90 cases were admitted to these hospitals during the week, the numbers in the three preceding weeks having been 110, 124, and 98. The deaths from diphtheria, which had been 44, 45, and 28 in the three previous weeks, rose again last week to 36 (of which 18 occurred in hospitals), and exceeded the corrected average by 22; 2 belonged to Islington, 2 to Hackney, 2 to Shoreditch, 5 (including 2 hospital cases from Bacon Street) to Bethnal Green, 2 to Whitechapel, 3 to St. George-inthe-East, and 3 (including 2 hospital cases from one house in High Street, West Norwood) to Lambeth sanitary areas. The 17 deaths from whooping-cough showed a further decline from the numbers in recent weeks, and were 19 below the corrected average; 8 (including 3 in Battersea) belonged to the south group of sanitary areas. The deaths ascribed to diarrhaa and dysentery, which had declined from 273 to 175 in the four previous weeks, further fell last week to 158, being 55 below the corrected average; 112 were of infants under one year of age, 27 of children aged from one to 5 years, and 12 of persons aged 60 years and upwards. The deaths of one infant and 3 adults were attributed to cholera and choleraic diarrhœa.

The deaths referred to enteric fever, which had been 7, 8, 8, and 6 in the four previous weeks, numbered 8 last week, and were 7 below the corrected average; 2 belonged to Lambeth sanitary area. There were 58 cases of enteric fever, but not one of typhus, under treatment in the Metropolitan Asylum Hospitals on Saturday last; 11 cases were admitted during the week, against 8, 10, and 6 in the three preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 160, 182, and 149 in the three previous weeks, numbered 162 last week, being 26 below

the corrected average.

Different forms of violence caused 49 deaths, on 47 of which inquests were held. Of these 49 deaths, 3 were cases of suicide and one of murder, while the remaining 45 were attributed to negligence or accident. Ten of these 45 deaths were caused by vehicles in the streets, 3 by burns or scalds, 8 by drowning, 2 by poison, and 5 of infants under one year of age by suffocation.

### GREATER LONDON.

In Greater London 3597 births and 1760 deaths were registered, corresponding to annual rates of 33·3 and 16·3 per 1000 of the estimated population. In the Outer Ring 61 deaths from diarrhea, 10 from whooping-cough, and 5 from "fever" were registered. Of the 61 deaths from diarrhea, 10 occurred in West Ham, 5 in Enfield, 5 in Willesden, and 4 in Chislehurst sub-districts.

### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.67 ins.; the lowest reading was 29.34 ins. on Sunday morning, and the highest 29.88 ins. on Tuesday evening. The mean temperature of the air was 59.3, and 3.1 below the average in the corresponding weeks of the 20 years ending 1868. The mean exceeded the average on Thursday and Friday, but was below the average on the other days of the week, the deficiency on Monday being 8.9. The general direction of the wind was S.W., and the horizontal movement of the air averaged 11.2 miles per hour, which was 1.1 miles above the average in the corresponding weeks of 16 years. Rain fell on three days of the week, to the aggregate amount of 0.19 of an inch. The duration of registered bright sunshine in the week was 26.8 hours, against 24.5 hours at Glynde Place, Lewes.

Companies   Comp				-	-							-				-					-	-		-	-	-	-		1		-	-1	
Cols.		CITIES	AND BOROUGHS.	Cols.	- 28 TOWNS.	LONDON.	PORTSMOUTH.	NORWICH.	BRISTOL.	WOLVERHAMPTON	BIRMINGHAM.	NOTITIVE TAN	DEBBY.	BIRKENHEAD.	LIVERPOOL.	Borron.	MANCHESTER.	OTDHAW.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	SHEPPIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.					
Particle   Particle	ALL.			24.	1.65	0.48		2.34	1.30	68.0	1	1.75	A 1	1	1.14	1	•			1	1	•	2.39	3	3.66	1	2.11	1		1.47	8.17		
Colore   C	RAINE		In Inches.	23.	0.65	0.19	1	- 6.0	0.21	0.35	8	1 0 . 0	3 1	1	0.45	1		. 1	1	1	1	•	₹6.0		1.44	1	0.83	1		0.28	1.55		
Colore   C	AIR.	ņ.	Centigrade.	22.	4.22	21.2		4.KG	3.89	3.11	1	1 00.6	100	1	14.17	1	3	6 1		1	1	8	13.78	1	14.22	t	14.83	t		13.50	14.94		
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Posteriary   Pos	Annual per 10	to th	Causes.		8.61	9.91	20.2	21.2	12.6	22.1	28.4	18.0	70.0	6.17	18.3	23.5	23.0	18.7	2.7.7	42.6	6.91	22.2	18.4	8.77	0 77	H.00	6.46	18.1		15.4	20.7		
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Cols.   Cols		ding	. 6		_	1382	24 a	88	9 2	35	204	25	74	17	910	51	167	84	147	00 h	g 5	200	83	156	142	112	94	30 02	60	43	210	165	
POPULATION estimated to the middle of the 1-889.  COIS. 1.  COIS. 1.  COIS. 1.  A.851,738  OUTH - 9,555,406  GRAM - 9,555,406  GRAM - 10,501  GRAM - 27,812  SETER - 29,801  ESTER - 29,801  TH - 10,501  OOL - 10,501  OOL - 114,670  ESTER - 27,812  A.8 10,690  OOL - 114,670  ESTER - 27,812  A.8 10,690  OOL - 114,670  ESTER - 27,812  A.8 10,690  OOL - 114,670  ESTER - 27,812  A.8 10,819  A.8 10,819  A.8 10,819  A.8 10,819  A.8 10,819  A.8 10,819  A.8 10,819  A.8 10,818  A.	ADDA	Week en		33	-		89	67	54	142	906	92	128	848	75	73	987	150	99	68	89 88	22	145	230	500	149	109	109	# 12	141	347	539	
COIS.  COIS.  WESS.  OUTH  TH  TH  TH  TH  TH  TH  TH  TH  TH				1.	1	_	121,807	141,253	78,225	229,361	##0'20	150 520	237,812	98,529	102,541	606,562	000040	934 983	142,405	121,275	104,194	81.080	235.056	357,449	327,227	208,017	184,198	160,988	211/0/17	266,900	528,144	353,082	
CITIES  AND BORUUGHS. 28 TOWNS * 28 TOWNS * 28 TOWNS * 28 TOWNS * 28 TOWNS * 28 TOWNS * 28 TOWNS * 28 TOWNS * 28 TOWNS * 28 TOWNS * 21 TEXPORT * 21	-	Po	9 54	- 00			•		•	. M.C	3		•	•	•			•	•	•				٠	٠	٠	•	4 1			•	•	,
SECTION AND MANAGEMENT AND AND AND AND AND AND AND AND AND AND			CITIES AND BORUGES.	Col	a change of	28 TOWNS	BRIGHTON .	PORTEMOUTH .	PLYMOUTH .	BRISTOL	WOLVEBHAME	BIRMINGHAM	NOTTINGHAM	DERBY .	BIRKENHEAD	LIVERPOOL .	The state of the s	SATEORD*		BN	PRESTON -	HALIFAX	BRADFORD	LEEDS	SHEFFIELD .	HOLL .	SUNDERLAND	3			GLASGOW -	DUBLIK .	

Table 2. LONDON.—Births and Deaths Registered in the Thirty-Third Week of each of the Eleven Years, 1879-89.

1111	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females	2702	2512	2532	2670	2652	2579	2535	2528	2465	2604	2811·1	2715
	1359	1275	1244	1988	1398	1335	1285	1272	1268	1333	1494·7	1392
	1343	1237	1288	1282	1254	1244	1250	1256	1197	1271	1376·4	1323
Total Deaths  Males Females .	1349	1492	1474	1528	1437	1634	1473	1420	1713	1330	1619·3	1382
	723	759	765	796	756	810	725	712	920	721	838·2	711
	626	783	709	732	681	824	748	708	793	609	781·1	671

The numbers in this column are the average weekly numbers in the thirty-third weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

								TORTOR		III the	Last	THI	TEEN	WE	KS.
			May 25.	June 1.	June 8.	June 15.	June 22.	June 29.	July 6.	July 13.	July 20.	July 27.	Aug 3.	Aug 10,	
TOTAL	Births		2402	2405	2523	2396	2636	2467	2507	2306	2627	2376	2481	2180	2715
TOTAL	Deaths		1267	1151	1306	1247	1243	1265	1350	1605	1556	1553	1532	1366	1382
Ages at Death	40-60	,, <u> </u>	6(8 152 221 224 62	506 148 209 237 51	601 186 245 234 40	564 178 227 236 47	575 180 218 225 45	572 179 232 229 53	722 168 221 205 34	902 151 232 257 63	908 164 197 245 42	898 166 228 212 49	850 161 209 261 51	739 139 222 216 50	727 160 202 235 58
33	$ \begin{cases}                                    $	ear -	301 222 85	242 181 83	306 205 90	293 184 87	281 203 91	315 189 68	429 208 85	617 196 89	631 197 80	599 216 83	555 193 102	468 195 76	447 195 85
1	om Small-po		47	-	-	-	-	-	-	-	-	-	_		
33	, Scarlet i		16	31	39	32	23	33	31	30	29	20	25	15	18
,,,	" Diphthe		21	16	34	26	27	10	38	25	12 23	-6	11	16	13
33	" Whoopin	ng-cough	48	49	26	37	27	27	32	26	29	19	45	28	36
22	" Typhus		-	-	-	-	-	-	-	_	-	-	-	10	1
25	" Enteric	tever - ontafeve	5	9	3	- 8	7	8	. 8	8	7	8	8	6	-8
3)	, Simple C			_	4	2	-	1	-	2	~~	1	-	1	-
	Dysen		13	14	19	34	40	57	155	258	273	271	199	175	158
33	" Cholera		1	-	1	<b>II</b> -, I	-	-	5	10	10	10	.4	4	-4
"	" all the mentioned I	above- ) Diseases }	152	123	138	150	141	149	278	368	383	379	314	266	254
"		espira- } System }	177	162	205	169	171	169	143	158	141	160	182	149	162
	" Phthisis		148	144	174	162	155	137	138	127	136	150	126	128	135
"	,, Dis. of C	System	98	101	97	106	123	99	94	117	102	91	110	93	111
Violent D	eaths -		48	55	58	48	53	39	51	83	43	co	<b>*</b>		
Inquest C			89	104	91	109	105	90	90	129	83	60	70	65	108
Deaths in	Public Insti	tutions	342	290	323	290	324	314	280	356	348	314	325	320	319
	TURE OF THE	E AIR	0	55.7		56.8	c	0	0	0	0	0	0		
Mean	f Highest rea	din	61·9 75·1	55.7	64.3		59.6	64.1	63.3	63.0	58.7	58.1	64.9	60.4	59.3
Mean o	f Lowest read	dings -	50.8	48.0		51.7	72.4	77·1 52·1	74.6	72.9		67.7	76.2	72.8	69.7
		8"								30 Z	31.3	51.9	55.3	52.0	52.5
Humidity Rain-fall	of the Air		77 0·51	82	0.31	89	76	71	71	80	80	82	76	80	82
	i Sunshine (i	n house)				- 1	1						_	0.46	0.19
Registered	a Sunsmine (1	n nours)	49.1	47.2	50.1	3.3	65.3	54.1	51.3	23.0	28.1	26.5	36.5	46.0	26.8
								_	-		-				

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lipplncott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., Sunderland; and Wm. Lyall, Esq. Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the

				TH	IRT	Y-T1	HIKI	) W	eex	of the Year 1889.									
	for the years	Sa	In t		Veek			9.			tor the years	Se		the			ding	89.	
	e to ye		Des		of Pe		s of						, De	aths	ot Pe		n of		
CAUSES OF DEATH.	Averages to sks of the 10 1879-88.*			nder		r 40.	r 60.	er su.	1	CAUSES OF DEATH.	Averages iks of the 10 1879-88.*		U	nder		r +0.	1 60.	1 ×1.	2014
CAUSES OF DEATH.	oted A Weeks	AGES.	-			under	under				ed ,	AGES.	-1	1		under	nunei	under	rds.
	d W			,	. 1	and t		and und	upwards	· .	Corrected 38rd Wee				. 1	and	and t	and	ULWARds
	Corrected	ALL	0-1.	1-5.	6-20	20 a	10 a	50 B	n	•	SSI	ALL	1	1-6.	.02-0	20.8	40 4	B Ci	), n
ALL CAUSES	1619.3	1382	447	195	85 1	160	202	235	58	Diseases of Organs of Special Sense † }	2.0	2	-	-	1	1	-	-	-
Small- Vaccinated; -	} 7.2		-	-	-	-	-	-	-	Diseases of Circulatory \	90.5	111	1	2	6	18	23	52	9
pox No Statement	S'"		-	-	~	_	-	-	-	System}	90.2	111		-	-	-		-	_
Measles	45'8	18	4	13	2	~	-	-	-	Croup	10.3	7	_	6	1	-		ì	-
Searlet Fever	32.7	13	-	8	5	-1	-	-	-	Bronchitis Pueumonia	93.8	83	28	18	2	8	7	23	2
Typhus	0.0				-				-	Pleurisv	5 3	55 3			-	-	3	-	1
Relapsing Fever 7	0.0		-			-1	-	-		Other Diseases of Respi- ratory System}	20.9	14	6	2	-	-	3	3	-
Whooping-cough	35.8	17	6	10	1		-	-	-11							-		-	-
Diphtheria	14.3	86	2	21	10	2	-	1	-	Dentition † Quinsy, Sore Throat † -	14.2	15	8	7	-	-	1	-	
Simple Continued and )	1.7		-	-	-	-	-	-	-	Quinsy, Sore Throat † - Enteritis Peritonitis	13·4 6·8	24	18	2	1	1 2	-	1 4	-
Ill-defined Fever -) Enteric Fever	15.4	8	-	-	1	7	-	-	-	Diseases of Liver Other Diseases of \	33.7	26	4	-	-	2	14		2
Cholera	8'5	4	-1	-	-	2	-	-	1	Digestive System -}	31.4	29	7	2	2	5	6	8	1
Diarrhœa, Dysentery -	213.0	153	112	27	1	2	4	9	3						-	-		-	
Remittent Fevert	0.3	1	-	-	-	-	1	-	-	Diseases of Lymphatic ) System & of Ductless }	0.9	2	-	-	1	-	-	1	-
Hydrophobia	0.0			-		-			_	Glands †)									
Cowpox and Effects of )	0.3									Discourage of Heiners			-		_		10		
Vaccination † )			70							Diseases of Urinary System }	36.7	29	1	-	-	8	13	9	3
Venereal Affections -	11.8	17	18	1	1	-	2 2	1	1			-	-	-	-	-		-	-
Erysipelas Pyæmia and Septicæmia †	2.0	3	-	1	-	1	4	1	-	Diseases of Generative	5.7	9	1	**	1	5	1	1	-
Puerperal Fever	5.7	4	-	10.0	-	4	-	-		Ascidents of Childbirth -	4.7	2	-	-	-	2	-	_	-
Other Zymotic Diseases †	2.0	-	-	-	-	-	-	-	-										
	4:0		1							Diseases of Locomotive	9.0	5	-	1	1	1	1	-	1
Thrush	4.8	3	3	-	-	-	-	-	-				1	-				-	
Worms and other Para- sitical Diseases}	0.4	1	1	1	-	-	_	-	-	Diseases of Integumen-	7.1	8	2	-	-	-	1	-	=
Starvation, Want of	2'4	2	2										-			-			
Breast-milk †}	5.8	5	-	-	_	2	.8	-	-	VIOLENT DEATHS.§									
		-		-		-	-	-		(ACCIDENT.)	20.6	21		1	7	4	6	3	-
Rheumatic Fever, Rheumatism of Heart	6.2	6	-	-	2	2	1	1	۲	Fracture and Contusion Gunshot Wound	0.1	-	-	1 -	-	-	-	-	-
Rheumatism †	8.3	3	-	-	1	-	1	i		Cut, Stab Burn and Scald	3.5	3	1	ī	ī	1 -	-	-	-
Gout	2.7	2	-	-	-	-	1	1		Poison	11.8	3 2 8	1	1	5	2 1	1	-	-
Rickets †	2.6	7	2	5	-	-	9	-	-	Suffication	9.2	8 2	5	in.	-	1	1	1 2	-
Cancer	56°0 47°4	66 29	20	-	-	9	21	35	1 -	CONTOUT TO THE CONTOUT OF THE CONTOU			-	-	-	-	-		-
Tabes Mesenterica - Tubercular Meningitis -		24	8	18	3	-	-	-		(Homicide.)									
Phthisis	357.7	185	5	2	13	51	45	16		Murder & Manslaughter	2.0	1	-	-	-	-	1	-	-
Scrofula, Tuberculosis -	18.9	19	11	3	8	1	1	-	-				-	-	-	-	-	-	-
Other Constitutional Diseases †		3	-	-	1	-	1	1	-	(SUICIDE.) Gunshot Wound -	1.0	1					-	-	-
12	0012	1	1	1	1	1	1	1		Cut, Stab	1.0	-	-	-	-	-	-	-	-
Premature Birth	39.1	46	_		1 -	1	1-	-	-	Poison	2.2	3	-			2		-	-
Congenital Malforma-	, 1			4	1		-			Hanging ·	2 4	1	-		-	-	1 -	-	-
tions	3	2		1	1.	-	-	1	1			-			-	-		-	-
Old Age	46.2	- 51	_	-	-	-	-	24	27	(Execution.)									
Apoplexy	_ 39*6	21		. }		4	8	10	2	Hanging	0.0	-	1 -	-	-	-	-	-	-
Epilepsy	5.6	11	. 1			. 4	2	2	-	3		-	-	-	-	-	-	-	-
Convulsions	- 53.7	47	88	8	-	-	-	-	-	OTHER CAUSES † -	83.9	62	56	3 8	1	1	. 1	-	-
Other Diseases of Brain and Nervous System	81.6	74	18	3 1	) 8	3 8	15	14	4				1	-			-	-	-
			-					1	-	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		_	-						-

59334.-7.

The numbers in this column are the average weekly Deaths for the ten years 1:79-88, case 1 by 9'046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

I Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated." which are so certified by registered medical men. When emclined stendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not corrided by a registered activities, the case is returned under the healing "no satisfact."

The orilence at inquests is often insulineent to casele, the Coroner to certify whether a violent death be the result of accident, murder, anslaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE S. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarler during the Week ending

													dur	ing t	he	Week	c en	ding
				-			The	DE.	ATHS:	regist	nere:	in the	We	kine	lude			.,
-	Enume-		-	Deat	hs of					Dent	he fr	om				1	0	1.
REGISTRATION	rated Fopu-	818	.яв.	o. 1	4 60 wds		1	2	74	eongo.	-	Or Fover.	er.			-	Publie ions.	Causes
SUB-DISTRICTS.	lation,	BIRTES	DEATER	of Age.	aged & upw	OX.		Fever.	ria.	ng-e		775	dever.	EB.	9	Cas	ir in	ded C
	1881.	Total I	Total 1	Infants Year	Persons Years	Small-pox.	Measles	Scarlet	Diphtheria	hooping	Typhus.	Enterie (Typhoid)	0 0	Diarrhæa	Violense	Inquest Cases	Deaths	Uncertified
		To	F	Inf	Per	S	Me	Sea	ă	W	Ty	Eng	Simpl	nia	1 N	Ing	De	Cn
LONDON	3,815,704	2715	1382	447	291	-	18	13	36	17	-	8	-	158	49	108	319	8
WEST DISTRICTS	669,638	481	215	72	49	П	2	2	6	-	-	1	-	15	4	17	46	-
NORTH DISTRICTS	905,947	625 150	299	92	73		3	2	14	5	-	4		83	11	23	81	-
CENTRAL DISTRICTS *	692,738	492	291	101	56	-	2	8	6	4	-	-	1-	37	15	30	82	-
NOUTH DISTRICTS METROPOLITAN ASYLUM HOS-	1,265,148	1017	489	159	103	-	11	5	7	8	-	3	-	65	13	27	81	8
PITALS OUTSIDE REGISTRATION LONDON		-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST DISTRICTS.																		
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 87880	5 <b>2</b> 8	20 13	9	6	•	-	-	-	H	-	-	-	3	1	1	7	-
Kensington Town Wie - W.M. & C.	190141 43010	84 17	25 7	7 3	9 -	, ,	-	1 -	1 -	E	1 1 1	-	-	1		1	4	-
St. Peter Hammersmith W.M. St. Paul Hammersmith H W.M. St. G.J. Fulham Www W.M. & C	7899 64340 42900	63 84	29 33	10 13	9	1	1	-	3		1 1 1	-	-	1	-	- 10	2 7	-
Chelsea South HHH - C. Chelsea North-west WHHHHH C.	0396 24925	18 17	11	4 6	1 2 1	-	-	-	=	-	-	-	-	1	1 -	2 2	3 6	-
May Fair WW G.J.	82807 80853	30 5	10	6	1	-	-	-	-	-	-	1	-	2	1 1	1 1 2	4	-
Belgrave WHHH- St. John Westminster HHH St. Margaret Westminster H - C.	59220 35496 24679	28 27 5	17 11 6	3 7	6	-	1	-	1		-	-	=	1 -	-	1	1	-
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N R.	29941 16608	9 2	7 4	1 2	1	-	-	-	-	-	-		-	-	-	1	2	:
NORTH DISTRICTS.	00750	10	8		3		_							_			0	
All Souls Marylebone HHHH - W.M. Cavendish Square HHHH W.M.	26759 14891 24809	10	3	1	-	-	-	-	-	-	-	1	-	1	-	1	6 -	-
All Souls Marylebone HILL  Cavendish Square HHHH  Rectory Marylebone WH G.J. & W.M.  St. Mary Marylebone HH G.J. & W.M.  Christohurch Marylebone HH - W.M.	21118 83700	14 82 19	1 9	1	- 2	-	-	-		2	-	-	-	2	-	-	-	_
	88638	24	6	2	2	-	-	-	-	-	-	-	-	1	2	3	-	_
Hampstead Www H N.R. & W.M. Regent's Park Paneras H W.M.	45452 89115	28	18 14	6 5	8 8	-	-		4	-		_		1 2	-	2	- 8	-
Regent's Park Paneras H W.M. Tottenham-court wHHHH N.R.&W.M. Gray's Inn Lane HHH - N.R.	27729 80247	14 20	23	5	3	-	-	-	1	-	-	-	-	1	2	3	11 2	-
Camden Town WH N.R.	84369 17811	25	9	3	4	-	-	-	-	-	-	-	-	1 1	-	-	1 7	-
Kentish Town W N.K. Upper Hollowsv WWwH N.R.	87487 67946	67	38 35	14	11	-	-	-	1	2	-	-	-	9	1	- 1	10 17	-
Islington South-west HII N.R. Islington South-east N.R.	100976 61825	82	19	7 5	8 2	=	-	-	=	-	=	2	=	2	2	3 2	-	-
Highbury H N.K.	52048 22781	87	10	3 2	4 3		-	-	1	1	-	-	-	2 2	-	-	-	-
Stoke Newington $H$ N.R. Stamford Hill E.L. West Hackney $H$ N.R. Hackney $WeywpH$ E.L.&N.R.	9277 87610	15	4	4	1 1	-	-	-	-	-	-	1	-	-	-	1	-	-
Hackney WwwwH E.L.&N.R. South Hackney E.L.	76911 39888	23	50	13	17	-	-	2	5 2	-	=	-	-	4	4	4	24	-
CENTRAL DISTRICTS.	10000	-		,	,												-	
St. George Bloomsbury - N.R. St. Glies South WH N.R. St. Glies North N.R.	16681 14864 13837	14	7. 3	1	1 1	-	-	-	-	-	-	-	-	-	1	1	ĩ	-
St. Martin-in-the-Fields HH N.R. & C.	17508	9	11	1	- 1	-	1		-	-	-		-	-	1 2	1 4	4	-
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	4	9	2 2	1 -	-	-	-	ī	-	-	-	-	2	-	-	1 8	-
St. Geothe-Martyr HHHHHHH N.R.	18671	9	9	2	1		-		1	-	-	-	-		-	-	3	-
St. Andrew Eastern W - N.R. Saffron Hill H N.R. St. James Clerkenwell N.R.	10706 6588	5	2 -	-	1 -	-	-		-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell N.R.	17516 19281 14773	9	3 4	1 2	- 1	-	-	-	-	-	-	-	-	-	-	1	-	-
Goswell-street N.R.	14773 17506 11541	8 11 6	4 2	2	1	=	-	ī	-	-	-	-	-	2	-	-	-	-
City-road HHL N.R. Whiteoress-street N.R.	18628 9217	30	8	5	1	=	ĩ	-	-	7	-	-	-	1	-	ĩ	3	-
Holborn Union Workhouse, Milcham w.	7468	8	1	1	-	-	=	-	= }	-	-	-	-	1	-	-	-	-
St. Botolph H N.B.&E.L. Cripplegate N.R.	11174 7193	4	8	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-
St Samulchre H N.R.	5358 8396	1 2	11 2	1	1	=	-	-	ī	-	-	-	-	-	2	4	9	-
St. Bride W N.R. Allhallows Barking - N.B. Broad Street H N.R.	13666 5652	1 2	1	-	1	=	-	=	-	-	-	-	-	-	-	-	-	-
							-	_		-	- 1	- 1	- 1	- 1	- 1	-	-	-

 PEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sue-district

							The	DEA	TH8 P	egiste	ered i	n the	Weel	k ine	ude			
	Warner.			Dent	h∎ of I					Death							1	
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Peatin.
EAST DISTRICTS.  Holywell Shoreditch N.R. & E.L. St. Leonard Shoreditch HL* - N.R. Hitton New Town w N.R. Hitton Old Town - N.R. Hargerston WH - N.R. & E.L.	7376 14967 29937 28036 46275	4 7 20 16 36	3 7 13 6 21	1 1 8 8 8	25 3	11111	11111	1111	1	11111	11111	11111	11111	1 4 2 3 3	- 1	1	- 2 5 10	11111
Backney-road H E.L. Green, Bethnal Green WHL* - E.L. Church, Bethnal Green - E.L. Town, Bethnal Green - E.L.	29738 47932 29981 19810	19 86 18 15	10 35 9 6	5 6 5 2	18 1 1	11/11	-	1	1	1 -	1111	1111	1111	2 2 -	1 -	3 -	17	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	22585 15473 17490 9713 6102	13 23 11 3 3	3 10 21 2 2	2 4 1 - 2	3 2 1	11111	11111	11111	2 -		11111	11111	11111	1	1 -	1 5 1 -	5 18 -	
St. George's, North E.L. St. John, St. George East W - E.L.	88747 8410	26 18	13	7	1 8	1	-	-	1 -	-		-	-	1 -	1 -	1	3	-
Shadwell HH - E.L. N.R. Rateliff - E.L. Limehouse - E.L.	10395 16107 82041	13 11 24	14 7 6	9 2 3	1	111	1 1 1	111	111	111		111	111	5 1 1	1	1	11	
Mile End Old Town West E.L. Mile End Old Town East WwwH- E.L.	37960 67653	28 48	14 21	5 9	6	1 1	9 8	ī	1 -	1 -	-	-	-	3	-	1	ī	-
Bow $I$ - $E.L$ . Bromley $wwwH$ - $E.L$ . Poplar $WWH$ - $E.L$ .	87074 64359 55077	19 44 42	9 28 24	10 8	1 5 3	111	- 1	1	111.	1	111	111	111	6 1	2 2	1 8 4	9 -	
Sours Districts.  Christchurch Southwark #H L. & S. St. Saviour Southwark - S. Kent-road - S. Borough-road #H - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth # - S. & L. & Mary Newington - L. & S.	13663 14999 21381 15953 21318 26672 59555 21623	13 10 17 13 20 12 50 29	6 5 6 8 5 24 12	3 2 2 2 1 2 9 5	1 1 2 3	111111111		11111111	1	1111111	11111111	11111111	11111111	2 1 2 5 1	1	1 - 1 - 1 1	1	1
St. Olave       WH       -       -       -       S.       & L.         Leather Market       -       -       S.       & L.         St. Mary Magdalen       W       -       S.       & L.         St. James Bermondey       -       S.       & K.         Rotherhithe       WH       -       -       S.       & K.	11956 16300 15669 54682 36024	5 8 9 26 32	21 4 3 8 19	2 2 2 1 5	4 1 2 6	1111	1 -	11111	1	11111	11111	11111	1111	1 1 4	1 2	3 2	14 - 6	
Waterloo-road 1st   H -   L, & S.   Waterloo-road 3nd   H -   L, & S.   L & S.   Lambeth Church 1st   H -   L, & S.   L. & S	15195 16351 19876 39859 45282 35832 62837 19017	7 20 19 37 28 20 40 13	13 13 13 13 10 21 7	3 3 3 2 2 8 4	1 - 3 7 2 2		111111	1	11111111	1 - 1 - 1	11111111	1	1111111	1 - 3 3	2	1 2	2 8 5	1
East Battersea       -       -       S.         West Battersea       WwH-       -       S.         Clapham       H-       -       S.         Wandsworth       WHL       -       S.         Futney       -       -       S.         Streatnam       -       L.	54675 52587 36380 28004 13235 25553	42 63 36 26 10 24	17 38 2 13 1 13	7 17 7 7	3 8 - 1 1 1 1	111111	111111	Î	111111	1 2	111111	11111	111111	2 7 -4 -2	1 -	2 -	6 1 -	11111
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5590 59104 71089 50810	2 47 40 £3	36 18 20	1 7 9 9	16 2 1		- 3	1	ī	ī	-	ī		1 4 8	1 - 2	1 2	14	
St. Paul Deptford tow /K. St. Nicholas Deptford K. Greenwich West H K. Greenwich East WHH K.	76752 7901 21972 24608	74 6 21 25	26 5 7 16	4 2 1 2	5 1 1 6	1111	- 1	1	3 -		1111	1		3 - 1 1	2 - 1	4 - 2	11	1
Eltham $H$ K. Lee $H$ K. Lewisham $WH$ K. Sydennam $H$ L.	5048 21559 19865 26076	6 6 18 8	6 12 10	- 2 4 2	1 4 1	1111	1 - 1 - 1	1 -	1111		1111			5 1	1111	1	2 -	1
Charlton H K. Woolwich Dockyard K. Woolwich Arsenal HH K. Plumstead, West H K. Plumstead, East W K.	10980 17617 19048 14009 19241	14 52 14 9 28	8 8 7 2 15	3 4 1 4	2 4 1 1 3		2	1 1 1 1		11111	11111		1	1 1 1 2	11111	1 1 1 1	5	2 -
Metropolitan Asylum Hospitals: Dartford w	=	=	-	=	-		-	-	-	-	=	=	-13	-	-			

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the above Table by w:—

Marylebone Infirmary in Kensington Town sub-district.
Central London Charty in Upper Holloway sub-district.
London Charty Workhouse in Bromley sub-district.
Foolar a Stepney Workhouse in Bromley sub-district.
Foolar a Stepney Workhouse in Bromley sub-district.
Foolar a Stepney Workhouse outside Registration London.
St. Saviour 9 in West Battersea sub-district.
Strand and Holborn Workhouses outside Registration London.
St. Saviour 9 infirmary in Camberwell sub-district.
Mile End Old Town Eastern sub-dist.
London City 1 and Bromley sub-district.
Mile End Old Town Eastern sub-dist.
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All Mile End Old Town Eas

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION; BIRTHS and DEATHS registered during the

			V	Veek	endin	g Sat	urday	7, 171	h Au	gust	, 1889	9.			11		-	_
Regis-		Area			1	1			The I	EATH	s regis	tered i	n the	Week	inelud	3		
tration District		Acres,	Enume-			Dea	ths of				Death	s from	1					8.0
and	REGISTRATION	ding	Popu-	HS.	DEATHS	1 1 0 0	1 60 vds.		-	1.		ugb.					Public lons.	Causes
Sub-	SUB-DISTRICTS.	Tidal Water	lation,	BIRTHS.	EA	under	aged &	H	١.	Pever	ria.	1g-60		1 4	1 .	Case	in P	
Num-		and Fore-	1881.	-				Small-por.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough	91.	Diarrhosa	Violence.	Inquest Cases.	Deaths in	Uncertified of Deeth
bers.		shore.				Infants Year	Persons Years	Sms	Mes	Soan	Dip	Wh	Fever.	Dia	Vio	Inq	Dea	5
LON	DON-OUTER RING	370,924	950,957	882	378	146	77	-	2	1	3	10	5	61	12	23	39	3
	2011 - 00 1211 1111(4	010,029	930,937	002	010	730			-	-	-	10	-	-	-			
80:1	Carshalton wL -	12228	21118	7	3	2	1	-	-	-	-	-	-	-,	1	1	-	1
2	Epsom (part of)* WwH	9971	10710	4	3	2			-	-	-	-	-	8	-	-	-	-
87:1	Godstone (part of) * -	2754	1235	-	-			-	-	-	-	-	-	-	-	-	-	-
38:1	Croydon WwHHL - Mitcham w†	20851	101241	83	39	10	12 2	-	-	-	-	-	-	3	1	1	11	-
89:1	Wimbledon HHH -	11697 3220	17982 15950	12	5	1	1					1	-	-			1	-
2	Kingston WHH	8549	36354	28	12	1	. 2	-	-	~	-	-	-	1	-	1	1	1
8	Esher (part of) * - Hampton H	6601 4578	9221 13539	6	6	3	-	-			-	-	-		2	2		
40:1	Richmond WH	2272	21302	7	8	8	3 -	-	-	-	-	1	-	1	-	-	1	
2	Mortlake	2941	12331	12	4	2	1	-		-			-	3		1	-	
41:1	Bromley (pt. of) * HH Chishrst(pt.of) * WHH	15669 14807	31142 15844	12	8	8 5	1			_		2 -	_	1 4	1	1 -	1	
42:1	Bexiey H	18437	24184	21	10	4	3	-	-	-	-	1	٠ -	3	-	-	-	-
2	Dartford (Ww, pts. of)*	-		-	H	-	-	-	-	-	-	-	-	-	-	- "	~	-
124:1	Staines W	11055 13277	11685	6 14	6	1	1 2	-	-	-	_	-	-	1	-	1	_	-
125:1	Hillingdon WHH -	6029	10802	8	9	8	1.	-	-	-		-		1	-		1	-
3	Uxbridge Hayes wHL	6178 14587	5225 11623	7	7	1	1	-	-	-	-	1	1	1	-		3	
126:1	Isleworth WHH -	7008	22727	14	14	5	4	-	_	-	-	-	-	2	1	1	6	-
2 3	Twickenham H	2477 4845	12479	12	7	4	2	-	-	-	-	1	-	-	-	1	-	-
4	Brentford HL Chiswick	1840	27649 15975	14	5	2	1 -	-	-	-		-	-	3	-			-
8	Acton wH	6083	22876	30	11	4	8	-	-	-	-	-	-	2	1	2		-
127:1	Harrow H Edgware H	13809 6994	12796 3749	6	6 2	2	~	-	1	1	-	1	-	1	_	-	_	-
8	Willesden	4383	27453	42	17	8	1	-	-	-	-		-	5		1	-	-
187:1	Hendon W Bushey	9881	10484	13	9	1	3			-		_	1	-		-	ŏ	-
2	Watford (W, pt. of)	-	-	2 -	-	- 1	-	-	-	-	-	-	-	-	-	-	-	-
128:1	South Mimms	15599	6391	2	1	-	1	-	· -	-	-	-	-	-	-	-	-	40
8	Barnet Finchiey HL	5488 4688	10092 17615	5 16	2 12	3	1 8	-	1	-	-	-	7	-	-	-	4	P. Sales
185:1	Hatfield (part of) * -	8806	583	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1	Hornsey H	8089 4642	37078 48482	85	6	-	2	-	-	-	1	-	40	-	-	-		-
8	Edmonton Ww ‡ -	7483	46456 23468	70 21	21 10	11	3 2		-	-	1	-	-	3 1	1 2	3 2	2	-
4 5	Enfield WH Waltham Abbey	12658 11017	19104	21	.8	5	2	-	-	-	-	-	-	. 5	-	-	1	-
6	Cheshunt	8480	8368 7785	7 2	4	1 -	-	-	-	-	-	-		-		-	-	-
186:1	Stratford	882	38806	26	10	5	-	-	-	-	-	-	1	3	-	1	-	-
3	West Ham wwwwH§- Leyton WwL	7351 4372	101053 32430	145	54	26	9 2	-	-	-	-	2	1	10	2	3	2	2
4	Walthamstow H -	6520	28869	44	10	6	1	-	-	2	-	-	-	1	-	-		-
187:1	Chigwell (part of) * H Epping (W, pt. of)*	11761	9669	8	3	1	-	-	-	-	-	-	-	1	-	-	-	-
189:1	Romford (part of) * W	6730	3411	1	1				-	-	1	-		-			-	
3	Ilford	8493	7645	9	- 5	5	, -	-	-	-	-	-	-	1	-	1	-	-
0	Barking Town	4127	9203	18	4 {	-	1	-	-	-	-	-	-	-	-	100	1	-

<sup>•</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow.—
30: 2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1985); 37:1, the parishes of Warlingham and Farley in Goldstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1983); 41: 1, Bronney sub-district, except the parishes of Cadham and Knockholt (pop. 1981); 41: 2, Chileleners sub-district, except the parish of Chelsfield (pop. 947); 135: 1, the parish of Nortnaw in Hatrield sub-district; 187: 1, Chilewell sub-district, except the parish of Theydon Bois (pop. 875): 189: 1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 187: 2, Watford, and 187: 1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

<sup>‡</sup> Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).
§ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5.)

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 17th August, 1889.

	Area		ANNUA of Mor				The DE	ATHS	regi			_		nelud	le	
	Acres, including tidal	Estimated Population, middle of		living.	from	Deat Infants	Persons	×		1		s from	n	1 ,		Public ions.
LONDON.	water and foreshore.	1889.	From All Causes.	From Diseases in Cols. 8-14.	CAUSES.	under 1 Year	aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-	Fever.	Diarrhœa.	Violence.	Deaths in institut
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
EATER LONDON	448,334	5,642,015	16.3	3.1	1760	593	368	-	20	14	39	27	13	219	61	358
INNER LONDON -	77,410	4,351,738	16.6	3.0	1382	447	291	-	18	13	36	17	8	158	49	319
OUTER RING -	870,924	1,290,277	15'3	3.3	378	146	77	Н	2	1	3	10	5	61	12	39

fore.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,657,164 Persons.

	POPULATION		1		ANNUAL	DE	ATHS	FROM I	PRIN	ES.	ZYMO	
CITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS. of Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.
ALCUTTA OMBAY IADRAS CHARLES CHARLES - CHARLES - CHARLES - COTTERDAM - C	433,219 773,196 398,777 { 2,260,945 471,606 403,083 197,723 153,440 \$07,000	June 29 July 16 June 7 14 August 10 10 10 11 10 11 10 11 11 11 11 11 11 1	130 102	201 474 388 320 972 170 153 80 52	24·2 27·1 50·6 41·7 22·4 18·7 20·0 21·0 17·6 31·3	222	- 10 43 27 15 5		27* 1 2	11 3 4	40 129 88 86 38 5	34† 69† 76† 61† 147 22 2 1 - 45
TOCKHOLM - HRISTIANIA - T. PETERSBURG	228,218 138,300 842,883	,, 3 ,, 10	139 43	83 55 501	18°9 20°6 31°0	- - 7	2 8	3 - 9	1 5	2 2 4	1 26	· 19 13
LAMBURG (State)  RESDEN  RESLAU  JUNICH	1,489,672 575,276 264,196 315,000 281,000	July 27 August 8	366 161 207	652 254 132 178 219	22.8 23.0 26.0 29.5 40.5	1 1 0, 1 1	2 - 2 -	3 1 - 2	11 6* 3* 4* 6*	4 5 ?	9 6 1	228 62 40 41 92
IENNA PRAGUE BUDA-PRETH - CRIESTE	811,434 814,356 452,907 158,084	99 5 39 5 39 5 39 5	558	299 149 262 73	19·2 25·5 30·1 24·0	1 -	3 1 - -	1 1 6	6 3 10 3*	- 2 · 1	1 5 10 1	43 7 43 11
lome Purin (10 days)- Venice Cairo	404,449 306,398 153,375 374,838	June 2: July 10 " 2:	243 69	175 198 69 470	22.6 23.6 23.5 65.4	1 7	5 14 - 5	· 1	8 1 - -	- 1	6‡ - 2 25	23 28 12 202
MEW YORK - BEOOKLYN - PHILADELPHIA - BALTIMORE -	231,596 1,571,300 814,505 1,040,245 500,343	" 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		203 904 356 471 191	45°8 30°0 22°3 23°6 19°9	1 - - -	6 2 -	6 3 3 1	3* 27 8 6 1	1 . 12 . 8 . 4 . 2	8 10 6 19 1	66 273 77 81 67
	.3 3											

Including deaths from croup.
 Including 20 deaths from cholers in Calcutta, 19 in Bombay, and 3 and 4 respectively in Madras.
 Including 2 deaths from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, AUGUST 17TH, 1889. Under the Superintendence of the Astronomer Royal.

civil day, or from midnight to midnight.

The reading of the barometer decreased from 29-45 in, at the beginning of the week to 29-34 in. by 10h. A.M. on the 11th; increased to 29-38 in. by 9h. P.M. on the 13th; decreased to 29-34 in. by 9h. P.M. on the 14th; increased to 29-35 in. by 9h. A.M. on the 14th; increased to 29-35 in. by 9h. A.M. on the 14th; increased to 29-35 in. The results of all the meteorological observations are to be understood as applying to the The height of the cistern of the barometer is 159 feet above the mean level of the sea; no Observations are usually taken at 8h.A.M.; noon; 3h.P.M.; and 9h.P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are The average temperature of the air is that derived from a discussion of the photographic The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptiord, and their readings are registered by the Clerk of the Market, under instructions from the The record of Electricity is derived from Thomson's self-registering Electrometer, The rands employed are: -P. positive; N. negative; w. weak; m. moderate; s. strong; and The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show 2.3 1.0 converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the baromeder, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air bulb thermometers by Glaisher's Hygrorecords made at Greenwich during the 20 years ending 1868, and that of horizontal movement In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and 8.0 3.0 0.0 temperature and degree of humidity are deduced Sum 0.19 00.0 in a in. 0.01 26 of the air from a discussion of the anemometric records for the 16 years ending 1875. of 16 Years. Miles. Sum +193 00 32 Robinson's. on each Day. Wiles. #88L 24 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. Mean of 24 hourly obs. 0.5 0.5 1bs. 0.0 0.2 6.0 Pressure on the Square Foot. the aggregate duration of bright sunshine on each day. lbs. 0.0 0.0 0.0 Least. from the mean daily values of the dry and wet 1.2 9.1 est. (column 8). The mean daily dew point SW. & WSW. WSW. & N. NW. & WSW SSW. & WSW. NNW. WSW. P.M. SW. General Direction. SW. "lower," than the average. NW. & W. W. & WSW WSW. 19 Corporation of London. A.M. metrical Tables. Of the Water of the Thames at Deptford. LOWest. symbols TEMPERATURE, Highest. Lowest on the Grass. 0.55 8.97 20.00 7.19 50.3 Of Radiation. partially Showery in Fine but cloudy in morning; overcast and showery afterwards. High-20.2 33.4 122.6 0 amounts of cloud prevailed. Overcast generally in morning; fine and cloudy afterwards. Generally overcast. Showery in morning. of Hu-midity equals 100). 83 26 78 98 79 94 78 62 14 GENERAL REMARKS. cloudy. Difference between the Air Temperature and Dew Point Temperature. 9.0 0.0 0.0 Jeast. Overcast with slight exceptions. Fine generally and partially afternoon, with thunder. 18.1 0.91 16.5 est. Fine; partially cloudy. Mean daily value. 2.5 9.9 2.2 11 Fine; variable Of the Dew Point. Mean daily value. 57.9 0.49 53.8 51.1 53.7 2.40 De-parture from average of **6.9** 0.1 3.1 6. TEMPERATURE. Registered Sun above Sunshine, Horizon, in hours. in hours. 56.3 6.49 8.89 9.49 8.19 59.8 Sum 102.3 23.4 8.99 00 14.6 14.4 14.6 2.51 14.7 14.8 Of the Air. 23.1 17.3 2.41 4 0 22. Sum 26.8 3.0 9.1 6.2 2.19 52.5 52.3 9.19 55.3 52.0 4.6 9 LOWest. 6.99 88.3 74.2 4.69 63.7 2.22 was not in action throughout the week. est. 0 (For explanation of symbols, see Note.) ELECTRICITY. in. 29.370 29.649 \$08.63 rected and re-29.846 29.681 The In 14 17 17 HONTH AND AUGUST. No. of Col. WEDNESDAY DATE. 1889. THURSDAY SATURDAY DAY. MEANS TUESDAY MONDAY WED. THURB FRIDAT TUES. SUMPAT SUN. Mon. PRI. SAT.

#### OFFICIAL COPY

#### WEEKLY RETURN

#### LONDON DEATHS BIRTHS AND

AND IN

#### OTHER GREAT TWENTY-SEVEN

## By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

WEEK ENDING SATURDAY, AUGUST 24. No. 34. 1889. Vol. L.]

[Price 1 d

General Register Office, Somerset House, 26th August, 1889.

### TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.2 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending					Weeks	ending	
Towns.	Aug.	Aug. 10.	Aug. 17.	Aug, 24.	Towns.		Aug.	Aug.	Aug. 17.	Aug. 24.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull Leeds - Leicester* -	23·1 20·2 19·6 20·9 14·1 15·7 21·8 18·5 19·3 15·7 21·8 23·2	18·7 21·9 22·7 19·5 18·0 15·7 24·5 14·3 16·7 19·1 21·6 20·3	23·4 25·0 23·2 18·4 18·0 15·9 18·1 9·0 22·5 16·9 28·1 22·8	15·0 12·4	Liverpool - London - Manchester Newcastle-on-Tyn Norwich - Nottingham Oldham - Plymouth - Portsmouth Preston - Salford* - Sheffield - Sunderland Wolverhampton	e*	18·4 27·0 25·9 24·3 19·7 23·8 24·7 19·6 42·6 24·5 20·7 28·8	19·2 16·4 24·5 30·8 18·8 18·0 13·9 31·4 18·5 34·6 16·9 23·9 28·4 18·3	$\begin{array}{c} 16\cdot 6 \\ 23\cdot 0 \\ 27\cdot 9 \\ 21\cdot 5 \\ 16\cdot 2 \\ 17\cdot 2 \\ 26\cdot 7 \\ 20\cdot 7 \\ 42\cdot 6 \\ 18\cdot 7 \\ 22\cdot 6 \\ 29\cdot 5 \end{array}$	$\begin{array}{c} 14 \cdot 9 \\ 24 \cdot 4 \\ 29 \cdot 2 \\ 14 \cdot 9 \\ 15 \cdot 4 \\ 14 \cdot 7 \\ 34 \cdot 0 \\ 21 \cdot 1 \\ 26 \cdot 5 \\ 19 \cdot 4 \\ 21 \cdot 5 \\ 23 \cdot 3 \end{array}$

The highest annual death-rates, measured by last week's mortality, were:-from measles, 1·1 in Bradford, 1·2 in Sunderland, 1·3 in Wolverhampton, and 1·5 in Preston; from scarlet fever, 1·6 in Derby and 7·3 in Plymouth; from whoopingcough, 1.0 in Preston, 1.1 in Portsmouth, in Oldham, and in Bradford, and 1.6 in Sunderland; from "fever," 1.0 in Preston, 1.2 in Sunderland, and 1.5 in Birkenhead; and from diarrhaa, 4.5 in Leicester and in Hull, 4.7 in Plymouth, 5.1 in Wolverhampton, 5.2 in Newcastle-upon-Tyne, 5.5 in Preston, and 6.6 in Sunderland. Small-pox caused one death in Leeds, but not one in any other of the twenty-eight great towns. The 49 deaths from diphtheria included 37 in London, 3 in Plymouth, and 2 in Bolton.

LONDON.

In LONDON 2358 BIRTHS and 1240 DEATHS were registered. Allowing for increase of population, the births were 333, and the deaths 313, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 18.4, 16.4, and 16.6 in the three preceding weeks, declined last week to 14.9. During the first eight weeks of the current quarter the mean death-rate was 17.4 per 1000, having been 2.8 per 1000 below the mean rate in the corresponding periods of the ten years 1879-88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Loieoster, Salf ord, and Bradford are over-estimated and those of Newcaste-upon-Tyne and Cartiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cartiff over-stated.

<sup>59334.—8. 610.—8/89.</sup> Wt. 14.

The 1240 deaths included 9 from measles, 16 from scarlet fever, 37 from diphtheria, 20 from whooping-cough, 11 from enteric fever, 109 from diarrheea and dysentery, 2 from cholera and choleraic diarrhea, and not one from small-pox, typhus, or ill-defined forms of continued fever; thus, 204 deaths were referred to

these diseases, being 148 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 8; and no case of small-pox was under treatment during the week in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had numbered 25, 15, and 18 in the three previous weeks, declined again last week to 9, and were 30 below the corrected average; 2 belonged to Whitechapel sanitary areas. The fatal cases of scarlet fever, which had been 11, 16, and 13 in the three preceding weeks, rose again last week to 16, but were 24 below the corrected average; 2 belonged to Marylebone, 2 to Pancras, 2 to Bethnal Green, and 2 to Newington sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 871 scarlet fever patients on Saturday last, against numbers increasing from 559 to 822 in the eight previous Saturdays; 98 cases were admitted to these hospitals during the week, the numbers admitted in the four preceding weeks having been 110, 124, 98, and 90. The deaths from diphtheria, which had been 45, 28, and 36 in the three preceding weeks, numbered 37 last week (of which 19 occurred in hospitals), and exceeded the corrected average by 18; 2 belonged to Kensington, 3 to Hackney, 3 to St. Giles, 3 to Bethnal Green, 3 to Mile End Old Town, 4 to Poplar, 2 to Newington, and 4 (including two hospital cases from one house in Denmark Road) to Lambeth sanitary areas. The 20 deaths from whooping-cough, though exceeding by 3 the low number in the previous week, were 17 below the corrected average; 3 belonged to Battersea sanitary area. The deaths ascribed to diarrhæa and dysentery, which had declined from 273 to 158 in the five preceding weeks, further fell last week to 109, and were 75 below the corrected average; 86 were of infants under one year of age, and 15 of children aged one to 5 years. The death of an infant was attributed to infantile cholera, and that of an adult to choleraic diarrhœa.

The deaths referred to enteric fever, which had been 8, 6, and 8 in the three previous weeks, rose last week to 11, being, however, 4 below the corrected average; 2 belonged to Bethnal Green sanitary area. There were 62 cases of enteric fever, but not one of typhus, under treatment in the Metropolitan Asylum Hospitals on Saturday last; 6 cases were admitted during the week, against 10, 6, and 11 in the three preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 182, 149, and 162 in the three previous weeks, declined again last week to 115, and

were 67 below the corrected average.

Different forms of violence caused 56 deaths, on 52 of which inquests were held. Of these 56 deaths, 5 were cases of suicide, while the remaining 51 were attributed to negligence or accident. Five of these 51 deaths were caused by vehicles in the streets, 7 by burns and scalds, 10 by drowning, 1 by poison, and 7 of infants under one year of age by suffocation.

#### GREATER LONDON.

In Greater London 3141 births and 1604 deaths were registered, corresponding to annual rates of 29.1 and 14.8 per 1000 of the estimated population. In the Outer Ring 38 deaths from diarrheea, 10 from whooping-cough, and 5 from scarlet fever were registered. Of the 38 deaths from diarrhoa, 5 occurred in Willesden, 4 in Croydon, 4 in Tottenham, and 4 in West Ham sub-districts. Two fatal cases of scarlet fever were recorded in West Ham sub-district. The deaths in Sunbury sub-district included one returned as caused by hydrophobia.

### METEOROLOGY.

At the Royal Observatory, Greenisch, the mean reading of the barometer last week was 29.51 ins.; the highest reading was 29.85 ins. on Sunday morning and the lowest 29.10 ins. on Tuesday morning. The mean temperature of the air was 57°.8, and 3°.5 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, the deficiency on Saturday amounting to 6°.7. The general direction of the wind was S.W., and the horizontal movement of the air averaged 13.1 miles per hour, which was 3.7 miles above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0.98 of an inch. The duration of registered bright sunshing in the week was 26.2 hours agging 26.1 hours at Glynde. duration of registered bright sunshine in the week was 26.2 hours, against 26.1 hours at Glynde Place, Lewes.

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	the Week ending	24th Aug., 1889. BIRTHS. DEATH	63	5402		50	101	46	55	280	87	137	12	303	22	246	133	72	67	36	28	103	219	232	CIT	127	16	129	355	187	
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	POPULATION	commated to the middle of the Year 1889.	1.	0 888 406	4.351.738	121,807	141,253	78,225	82.544	454.835	150,520	287,812	98,529	102,541	114,670	878,800	284,283	142,405	121,275	92,825	81,080	235,056	357,449	122,728	184 193	160.988	112,712	266.200	528,144	353,082	
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Table 2. LONDON.—Births and Deaths Registered in the THIRTY-FOURTH Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births Males Females .	2370	2497	2393	2554	2450	2660	2413	2421	2521	2401	2691·3	2358
	1177	1253	1209	1306	1242	1381	1226	1249	1231	1189	1359·1	1218
	1193	1244	1184	1248	1208	1279	1187	1172	1290	1212	1332·2	1140
Total Deaths  Males Females .	1322	1488	1342	1401	1356	1579	1371	1458	1490	1438	1553·4	1210
	734	789	696	755	699	825	692	745	781	763	815·6	674
	558	699	646	646	657	754	679	713	70)	675	737·8	566

The numbers in this column are the average weekly numbers in the thirty-fourth weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON.-BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WERE

TABLE S. HOTTON				, and	MET	ROROL	rog x	in the	Last	THI	RTEEN	WE	EKS.
	June 1.	June 8.	June 15.	June 22.	June 29.	July 6.	July 13.		July 27.	Aug 3.	Aug 10.		
TOTAL Births	2405	2523	2396	2636	2467	2507	2306	2627	2376	2481	2180	271	2358
Total Deaths	1151	1306	1247	1243	1265	1350	1605	1556	1553	1532	1366	133	2 1240
Ages at 0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - at 80 years & upwds,	506 144 209 237 51	f01 186 245 234 40	564 173 237 236 47	575 180 218 225 45	572 119 232 229 53	722 168 221 205 34	902 151 232 257 63	908 164 197 245 42	898 166 228 212 49	850 161 209 261 51	739 139 222 216 50	727 160 202 235 58	
\(\begin{align*} \text{Under 1 year} & - \\ 1-5 & - \\ 5-20 & - \\ \end{align*}	242 181 83	306 205 90	293 184 87	281 203 91	315 189 68	429 208 85	617 196 89	631 197 80	599 216 83	555 193 102	468 195 76	447 195 85	387 163 78
Deaths from Small-pox, Measles	31	39	32	23	33	31	30	29	20	25	15	-	-
" Scarlet fever - " Diphtheria - " Whooping-cough	16 49	12 34 26	11 26 37	17 27 27	10 13 27	9 38 32	9 25 26	12 23 29	6 44 19	11 45 22	16 28 19	18 13 36 17	9 16 37
" Typhus - " Enteric fever " SimpleContafever	9	3 4	8 2	7	8	8	8 2	7	8	8	6	- 8	20 - 11
,, ,, Diarrhoea and ) Dysentery - ) ,, ,, Cholera	14	19	34	40	57	155	258	273	271	199	175	158	109
,, all the above-)	123	138	150	141	149	278	368	383	379	314	266	254	2 204
" " Dis. of Respira- tory System	162	205	169	171	169	143	158	141	160	182	149	162	115
,, ,, Phthisis - ,, Dis. of Circula- tory System	101	97	162	155 123	137	138 94	127	136	150	126	128 93	135	139
Violent Deaths Inquest Cases Deaths in Public Institutions	55 104 290	58 91 328	48 109 290	53 105 324	39 90 314	51 90 280	83 129 356	43 83 <b>3</b> 48	60 113 314	70 115 325	65 114 320	49 108 319	56 93
TEMPERATURE OF THE AIR Nean Mean of Highest readings - Mean of Lowest readings -	55·7 64·9 48·0		56.8 64.0 51.7	59·6 72·4 49·7	64·1 77·1 52·1	63 <sup>.</sup> 3 74.6 53.7	63·0 72·9 56·2	58·7 69·9 51·3	-	64·9 76·2 55 3	€0.4 72.8	59·3 69·7 52·5	279 57·8 68·1 51·1
Humidity of the Air hain-fall in inches	82 1·33	73 0·31	89	76 0·c0	71	71	80	80	82	76	80	82	80
		50.1			- 1	51.3	23.0	28.1		- 1	0·46 46·0	26.8	0·98 26·2

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S., -F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield. Esq., LL.D., Plymouth R. C. Cann Lippincott. Esq., Bristol; F. Sumpson, Esq., Wrottesley, Wolverhau; J. Harruup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Preston; J. Michaussorough, Esq., M.D., Notting-F. S., F.R.Met.Soc., bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., P.R.G.S., Medical Officer of Health, Sungerland: and Wm, Lvall, Esq. Newcastle-on-Tyne,

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the THIRTY-FOURTH Week of the Year 1889.

TABLE 3. LO	HDOM			Тн	IRT	Y-F	OUR	TH	We	ek of the Year 1889.					J213				
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	for	-		aths		erso					es for		De	enths	of P	ersol	ns of		
CAUSES OF DEATH.	Averages iks of the 10 1879-88.*		t	nder		40.	or 60.	er 80.	мпи	CAUSES OF DEATH.	Averages for 1879-88.*		I	Judei 20,	1	40.	or 60.	Jr Ku.	39770
Cacama or Differen	Weeks	AGES.				under	under 60	under	upwards.		Week	AGES	. ~			i under	under	l undor	HIWATIGE.
	Correct 34th	ALE .	0-1.	1-0.	6-20.	20 and	40 and	so and	A no		Corrected 34th Week	ALL	0-1.	1-6.	5-20.	20 and	40 and	n and	N 00
ALL CAUSES	1553.4	1240	387	163	78	140	197	223	52	Diseases of Organs of Special Sense † }	2.4	2	-	1	-	1	-	-	-
Small- pox Vaccinated; -	} .7{		1 1 1		-	-	Ē	-	-	Diseases of Circulatory } System }	92.1	104	1	1	8	15	35	86	8
No Statement Measles	89.4	9	3	6	Ŀ	-	ŀ	-	-	Croup	11.6	8	-	4	1	-	-	-	-
Searlet Fever	40°3	16	1 -	12	2	1			_	Bronchitts Pneumonia Pleurisy	91°1 55°7	58 40	16	10	4	8	8 5	16	8 -
Typhus Relapsing Fever't	0.0	-	-	-	-		H	-	-	Other Diseases of Respi- \	3.9	10	2	4	-		2	2 2	
Influenza	0.0	-	8	15	-	-		-		ratory System 5		-				_			
Whooping-cough Diphtheria	18.6	20 87	3	28	6					Dentition †	13.2	11	9	2	-	-	-	-	-
Simple Continued and	1.9	ы	-	-	-			-	-	Quinsy, Sore Throat † - Enteritis Peritonitis	12.9	80 7	19	î	8	1	3 2 9	2	
Ill-defined Fever - 5 Enteric Fever	14.6	11		2	2	ŏ	2		-	Diseases of Liver Other Diseases of )	81.2	33	2	2	1	1 1 5	9	10.	2
Cholera	8'1	2	1	-		ī	1	-	-	Digestive System -}	31.9	00	10	*	. 4	3	°	7	
Diarrhœa, Dysentery - Remittent Fevert	184.5	109	86	15	1	-		4	3	Diseases of Lymphatic)									
Hydrophobia	0'2	-	-	-	П	-	-	-		System & of Ductless }	1.2	1	-			1			
Glanders	0.1		-		B	-						-	-	-		-		-	-
Cowpox and Effects of Vaccination †}	0.0			F		-	-			Diseases of Urinary System }	33.4	26	-	1	2	8	7	11	2
Venereal Affections -	9.0	10	7	1	1	1	1	1	H			-	-			-			-
Erysipelas Pyæmia and Septicæmia †	3.0	-	-		-	-	-	Ĥ	L	Diseases of Generative	6.3	2	-	-	-		-	2	-
Puerperal Fever	2.0	6	-	I	-	5	1			Accidents of Childbirth -	4.9	2	-	-	-	2		_	
Other Zymotic Diseases †	1.8	1			_	-	1			Diseases of Locomotive)	6.2	8	1	2	2	-	_	-	-
Thrush	5.1	1.	1	-	-	-	-	-		System t 5		-	-	-		-		_	-
Worms and other Para- sitical Diseases}	0.4	-	-	-	-	-	-		l	Diseases of Integumen- tary System}	4.6	3	2	-	-	-	-	1	-
Stauration Went of)			1.										1	-					
Starvation, Want of Breast-milk †}	1'8	8	3	-	-	-	-	-		VIOLENT DEATHS.									
Alcoholism	8.2	8		-	-	6	3	-	-	(Accident.)									
Rheumatic Fever.	6.4	10	-	-	5	2	3	-	-	Fracture and Contusion Gunshot Wound	10.5	21	=	4	8	8 -	3 -	3 -	12
Rheumatism of Heartt	2.4	2	-	-	-	1	-	1	-	Cut, Stab Burn and Scald	0°3 3°7	7	-	4	-	1	1	ĩ	-
Gout	2.8	8	-	-	-	-	-	2	1	Poison	9'4	10	ī	-	6		1 2	1	-
Rickets †	3.3	56	2	1	-	6	23	25	2	Suffocation Otherwise	8·3	8	1	-	1	-	2	-	-
Tabes Mesenterica -	47.1	29	26	2	1	-	-	-	-					-		-	-		
Tuberenlar Meningitis -	27.8	21	11	10	-	-	-	-	-	(Homicide.)	1								
Phthisis Scrofula, Tuberculosis -	157.7	139	1 5	6	14	63	44	12	-	Murder & Manslaughter	1.9	-	-	-		_	_		
Other Constitutional)		8	1	-	1	2	3	2	-	(SUICIDE.)									
Diseases †)		1-	-	-		-	-	-	-	Gunshot Wound Cut, Stab	0.4	2	-	-	-	-	1	ī	-
Premature Birth	36.2	89	89	-	-	-	-	-	-	Poison	5.1	1 =	-	-	=	-	-	-	-
Atelectacis +	1.7	1	1	-	-	-	-	-	-	Hanging Otherwise	2.2	2 1	-	-	-	-	1	1	-
Congenital Malforma-	3	5	3	2	-	-	-	1	10			-	!-	-	-			-	-
Old Age	40'8	46		-	-	-	-	27	19	(Execution.)									
Apoplexy	38.9	41	1	-	-	3			4	Hanging	0.1	-	-	-	-	-	-	-	-
Epilepsy Convulsions	50.4	37	36	1	-	1	2	2	-			-		1					
Other Diseases of Brain	70:0	58	11		1		13	17	1	OTHER CAUSES +	83.3	53	53	4	1	-	-	1	-
and Nervous System	1 ,,,,	1	1 **	1	1	1	1	-	1	,			-		1	1	1		

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9°045 per cent. for increase of population.

f As the ten years average could not be correctly ascertained, the average for the seven years local use the best used in the cases of small-pox only are returned as "accinated" or as "unvaccinated," which are so certified by registered medical stendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heating "no exacement."

TABLE S. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarter during the Week ending

			1	1								i m. Alba			_	Wee		
						1	Th	e DE	ATHS		tered	in the	17 6	OR TIL	oruge	1	-	
REGIETRATION SUB-DISTRICTS.	Enume- rated Fopu- lation, 1981	Total Birres	Total DEATHE.	Infants under 1 C	Persons aged 60 w	Small-pox.	Measins.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteris (or Typhoid) Fever.	Simple con-	Diarrham.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LONDON	3,815,704	2358	1240	387	275	-	9	16	37	20	-	11	-	109	56	93	279	8
WEST DISTRICTS  NORTH DISTRICTS  CEVERAL DISTRICTS  EAST DISTRICTS  METROPOLITAIN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON  WEST DISTRICTS.	669,633 905,947 282,238 692,738 1,265,148	851 518 149 483 857	215 275 93 221 436	58 76 22 78 159	53 65 15 49 93		1 1 3 4	10 2 1 3 -	5 11 6 6 9	3 2 1 4 10	-	1 6 3 -		23 12 6 20 48	11 18 9 12 11	18 28 10 23 24	65 63 26 62 63	1 7
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J. Kensington Town Ww W.M.	69888 87880 120141 48010	55 9 52 18	16 10 88 10	8 10 2	8 10 8		1111		1	1 1 101		1	1111	3 3 -	2 -	1 10 1	1 2 17 1	11 11
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J. Fulham Weeve - W.M. & C.	7899 64340 42900	44 57	1 14 1 16	1 2 9 6	3 4	-	1111	1111	1	1	1111			1 2 2 2	1 4	- 22 4	1 2 3	. 1 1 1 .
Chelsea North-west WHHHHH C. Chelsea North-east C. May Fair WW G.J. Belgrave WHHH C. St. John Westminster HHH - C. St. Margaret Westminster H - C. St. James Westminster W - N.R. &G.J. St. Anne Soho HHHHHHHH - N.R.	24925 82807 80353 59220 85496 24679 29941 16608	17 9 19 4 29 16 6 10	18 12 13 18 8 7 8	3 6 2 5 3 1	6 1 7 3 2 4 -	. K. L. L. L. L. L. L. L. L. L. L. L. L. L.	11 1111 11	11.111.44	- 2	11 1111111	11 1111 11	7		1 8 - 2 1	1128	2 1 2	9 9 5 5	Man III
NORTH DISTRICTS.  All Souls Marylebone HIHHH - W.M. Cavendish Square HHHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone IIII - W.M. Christehurch Marylebone IIII - W.M. St. John Marylebone H - W.M. Hampstead Www H N.R. & W.M	45452	9 9 6 24 11 15 86	11 2 11 7 6 5	3 -6 4 -1 2	1 1 5 1 2 2 2		1	3	2	1	111111	1111111	111111		1	2 - 2	2 3 1 - 6 -	1111111
Regent's Park Paneras   H - W.M.	89115 27729 80247 84369 17311 87487	13 11 12 19 7 49	5 9 13 6 8 35	2 5 3 2 11 7	1 5 8 6			2	1	111111	11111			1 3 1 2 1	1 1 1	1 8 2 1 2	5 5 7 6 12	
Upper Holloway WWwH - N.R. Islington South-east - N.R. Islington South-east - N.R. Highbury H - N.R. Stoke Newington H - N.R.	67946 100976 61825 52048 22781	54 61 40 28 13	26 11 18 6	10 1	5 8 7 2	-	-	1	1					1	1 -	1 -	1	1111
Stamford Hill E.L. West Hackney H N.R. Hackney WwwwII - E.L.&N.R. South Hackney E.L. CENTRAL DISTRICTS.	9277 87610 76911 39888	7 18 55 21	9 35 13	2 1 7 5	3 7 1			3	5 2	1.	-		-	1	1 1 1 1	1 2 2	2 18	1111
St. George Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North N.R. St. Martin-in-the-Fields HH N.R. & C.	16681 14864 13887 17508	8 11 7 6	3 5 2 8 9	3 1	3					1111	-	1	-	- 2	-	2 1	2 - 4	1 1 1 1
St. Clement Danes H N.R.  Strand Union Workhouse, Edmonton w St. Gleo-the-Martyr HHHHHH N.R. St. Andrew Eastern W N.R.	7515 8559 — 18671 10706	3 1 11 11 2	3 5 7 5	2 -	- 1	1 1 1 1	11111	- -	4	11111	-	11111	-	1 -	2 -	1	8 6 2	11111
Safiron Hill H - N.R.	6538 17516 19281 14773 17506 11541 18628 9217 7468	6 11 7 9 11 9 15 5	7 6 4 8 8 6 1	1 2 1 4 2 2 1	2 1 2 7 2 1 1 1	111118,11111		111111111	1	111111111111111111111111111111111111111	Tritical tritical			1	1 2	1 - 9	11111111111	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11174 7193 5358 8396 18666 5652	5 3 1 1 3 1	1 13 4 1 1	1	1 1	11111	111111	11111	1		111111	11111		1	2 1 -	1 1 -	9 9	

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse H-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving inmates from other Districts than that in which it stands so note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts :--G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East Lor loanned K. the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

Tare   District   Tare   Tar	aturday, the 24th August, 1889.																		
REGISTRATION   RUB-DISTRICTS.   Indiana.						_		The	DEA	TH8	regist	ered i	n the	Wee	k inc	ude			
R.   1981   1981   1982   1983   1984   1985   19		_			Dear						Death	is from	m.					9	70
B.		Popu- lation,		Total DEATHS.	Infants under 1.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or Typhoid) Fever.	Simple con-	Diarrage.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Cause of Death
Oreen, Bethnal Green WHEP F.L.  Solventh, Bethnal Green F.L.  Solv	Holywell Shoreditch - N.R. & E.L. St. Leonard Shoreditch HL* - N.R. Histon New Town w N.R. Histon Old Town N.R.	14967 29937 28036	8 21 17 33	9 7	2	5 2		-	-	-	-	-	-	-	ī		-	-	-
Wilson Now Town W	Organ Rathmal Green WHI* - E.L.	47932 29981	35 24	25 6	6 2	9	-	-	1	50	-	-	-	-	-		1	14	-
** George R. Soffer East ** F. E.I.**  ** John, S. George East ** F. E.I.**  ** John, S. George East ** F. E.I.**  ** John, S. George East ** F. E.I.**  ** John, S. George East ** F. E.I.**  ** John, S. George East ** F. E.I.**  ** John, S. George East ** F. E.I.**  ** John, S. George East ** F. E.I.*  **	white End New Town W - E.L. & N.R. White change Church H E.L. & N.R.	15478 17490 9713	12 10 4	8 9 8	1 1 2	1		2	111	1	-	-	1	1 1 1	1	2	-	8 -	-
Sacistic   All   Company	et. George's, North E.L. St. John, St. George East W - E.L.						-	1		-	-							4.	=
Second   Color   Col	halwell HH E.L. N.R. Rateliff E.L. Limehouse E.L.	16107	11	1	5 1 1	j	111	-	-	-		-		-	-				
Hompley verseR	Mile End Old Town West - E.L. Wile End Old Town East WwwH- E.L.				2 7		-	7.4		2			ī		1	ī	ī	6	-
Second burder   Second burde	Bow E.L. Bromley $wwH$ E.L. $E.L.$	64859	51	26	4	6					1:	111		~		1	4	10	111
S. & L.   16300   12   6   3   2   1   1   1   1   1   1   1   1   1	Trintchurch Southwark   WH   L. & S.	14999 21381 15953 21318 26672 59555	5 20 18 9 9	3 7 6 6 4 25	2 1 3 1 3	2 1 1 - 3	1111	14 14 1	111111		1	1111	11111		1 1 1 1		1 - 2	~	11111
**Waterloo-road 2nd \$H\$ - L, & S.   18580   19   5   1   1   -   -   -   -   -   -   1   1	St. Mary Magdalen W - S. & L. St. James Bermondsey - S.	16300 15669 54682	12 11 85	6 8 16	3 4 7	2		1 -	, = ;	7	-		-	-	3	-	- 1	2	2
West Batterees WwR S. 65267 444 28 14 7 - 1 - 2 6 1 2 7 7 13 pahm H 8. 88680 17 3 1 - 2 1 1 1 7 7 1 1 1 - 7 1 1 1 - 7 1 1 1 1	Waterloo-road 2nd H - L. & S. Lambeth Church 1st H - L. & S. Lambeth Church 2nd WW - L. & S. Kennington 1st - S. & L. Kennington 2nd - S. & L. Brixton 2nd - L. & S.	16351 19876 39859 45282 35332 62837	19 6 81 29 11 87	19 17 12 10 13	1 3 7 4 5	1 3 4 1 7	11111	11111	2 1 1 1	-	1	11111			1 3 -	11111	1 -	8	1
Samberwell   Walk*L*W* - 8, & 1.   Sel04   59   24   9   2     2     4   -   3   7   7   7   7   7   7   7   7   7	West Battersea WwH S. Japham H S. Wandsworth WHL S. Jutney S.	52587 86380 28004 13235	44 17 30 8	28 3 5 5	14	2 2 2	-		1111	-	93	-	1		1 -	-	111	-	1 1 1 1
t. Paul Depttord sow - K. 76752 64 29 16 3 - 1 2 1 5 1 1 3 2 2 1 7 2 2 1 7 3 2 8 7 2 2 2 1 7 3 2 8 7 7 2 3 2 8 7 7 2 3 2 8 7 7 2 3 3 2 8 7 7 2 3 3 2 8 7 7 2 3 3 2 8 7 7 2 3 3 2 8 7 7 2 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Julwich       -       -       -       L. & S.         lamberwell       W.o.L*L* -       -       S. & L.         seckham       W       -       S., L., & K.         t.       George Camberwell -       L. & S.	59104 71089	89 43	24 80	12	2 4		-		-	2		-	-	2		1	3 1 -	1
Citham H K,	t. Paul Deptford www K.	7901 21972	6 13	29 2 7	1 2	2	rea		-	_	-	-	-	-		-	1.	-	-
Parition     H	Clibam $H$ K,	21559 19865	7 9	6	3	1		-			-		- 1	- 1	-	-	- 1	2	~
Helmonolitam Assistam Hospitales	$\begin{array}{llllllllllllllllllllllllllllllllllll$	10930 17617 19048 14009	2 16 14 7	2 7 4 4	2.	3 1 2	-	-	111	-	-	-	-	-	-		-	-	1
Dartford w	Winchmore Hill w		=	-	-	_	111	111		111	-				7 1 1		-		-

iotiowing WorkBouss Establishments receive inmates from other Districts than the one in water they stand, and are indicated in the Table by so:-

Marylebone Indimary in Kensington Town sub-district.
Coursal London Suck Asylum in Tottennam Court-road sub-district.
Holborn informary in Upper Holloway sub-district.
In Upper Holloway sub-district.
Hollowin New Town Institute Hollowin Marketin Sub-district.
Mile End Old Town Eastern sub-dist.
Private Lunatic Asylums in which paupers are received.

Stepney Workhouse in Bromley sub-district.

Poniar a Stepney Sick Asylum
Westmisser Union Industrial Seniod in West Batterses, sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmery in Camberwell sub-district.

Metropoutan Asylum District Hosoitais in Funam, Hampstead, Hackney, Britton, and St. Paul, Deptford sub-districts, and in Dartford,

Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during

	Week ending Saturday, 24th August, 1889.  The DEATHS registered in the Week include																
Pegis-				1	1	1			The I	DEATH	s regis	tered 1	n the	Week	inelud	e	
ration		in Acres,	Enume-			Dea	ths of				Death	s fron	a				
District	REGISTRATION	inclu-	rated	IS.	HS.	-	660 ds.	-	!	1	I	Sh.	1	1	1		Public ous.
Sub-	SUB-DISTRICTS.	Tidal	Popu-	BIRTHS.	DEATUS.	under of Age.	aged &		-	Ferer.	1	100				Cases.	Pu ions.
Num-		Water	1881,	B	a	r of	118 A	¥0d-	.90	f Fe	heri	ping		hosa	nce.	at C	us in
bers.		Fore-				Infants Year	Persons Years	Small-pox.	Measies	Scarlet	Diphtheria.	Whooping-sough	Forer.	Diarrhosa	Violence.	Inquest	Deaths in Put
						-		-				-	-		-		
ro	NDON-OUTER RING	370,924	950,957	783	364	118	85	-	3	5	2	10	2	38	8	18	31
80:1	Carshalton wL -	12228	21118	9	12	1	3	-	-	-	_	1	-		-	-	11
2	Epsom (part of) WwH	9971	10710	2	8	_1	1	-	-	-		-	-	1	-	-	-
37:1	Godstone (part of) * -	2754	1235	-	-	-	ı.	-	-		-	-			-	-	-
38:1	Croydon WwHIIL -	20851 11697	101241 17932	64	31	7 2	10	-	-	-	-	2	-	4	1 -	2	8
89:1	Wimbledon HHH -	8220	15950	18	7	4	-	-	-	-	-	. 1	-	2	-	1	-
3	Kingston WHH Esher (part of) * -	8849 6601	36354 9221	14	9	2	2 2		-		Ī	-	-	2	1	1	-
4	Hampton H	4578	18589	7	3	-	-	-	-	-	-	1	-	-	-	-	-
40:1	Richmond WH	2972	21302	13	8	i - i	1	-	-	1	-	-		-	-	1	-
41:1	Mortlake Bromley (pt. of) * HH	2941 15669	12331 31142	8 20	6	2	1	_			,	1	_	1	1	1	
2	Chishrst(pt.of)* WHH	14307	15844	14	2	-	1	-	-	-	-	1	-	-	-	-	-
42:1	Bexley H	18437	24134	17	9	8	2	-	-	-	1	-	-		-	-	-
124:1	Dartford (Ww, pts. of)* Sunbury w	11055	11688	4	5	1	3	-	-	-		_					1
2	Staines W	13277	12089	10	3	1	1	-	-	-	-	-	-	1 -	1	1	1
125:1	Hillingdon WHH .	8029	10802	10	8	1	4	-	-	-	-	-	-	-	-	-	-
8	Uxbridge Hayes wHL	6178 14587	5225 11528	1 2	1 2	1	-	-	-	-	-	-	-	1	-	1	
126:1	Isleworth WHH -	7008	2272?	16	11	3	3	-	-	-	-	-	-	-	-	-	2
2 8	Twickenham H-	2477 4345	12479 27849	8 20	5 7	2	- 4		1	1	-	-	-			-	
4	Chiswick	1840	15975	15	9	2	1	-	-	-	-	-	-	-	-	1	-
107.3	Acton wH	6083	22876	20	9	8	1	-	-	-	1	-	-	3	-	-	-
127:1	Harrow H Edgware H	13809 6994	13796 3749	9 3	4 2	1	2 -	-	2	-		-	-	-	-	-	
3 4	Willesden Hendon W	4383	27453 10484	34	13	10	1	-	-	-	-		-	5	-	1	-
137:1	Bushey	9331	6621	8	2				-	-				_			
2	Watford (W, pt. of)* -		-	-	-	-	-	-	-	-	-	-	-		-	-	-
128:1	South Mimms	15599	6391	1	-	-	-	-	-	-	-	-	-		-	-	-
3	Barnet Finchley HL	5433 4688	17615	24	6 15	1 2	3	-	-	-	-	-	-		1	1	9
135:1	Hatfield (part of) * -	8806	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
129:1	Hornsey H	3039	37078	28	14	5	4	-	-	1	- 1	-	-	3	-	-	-
3	Tottenham $H$ Edmonton $Ww \ddagger -$	4643 7483	46456 23463	23	7	6	8	-	-	-	- 1	-	1	1	2	3	1
4 5	Enfield WH Waltham Abbey	12658 11017	19104	14	7	1	3	-	10	-	-	1	-	-	- 1	-	4
6	Cheshunt	8480	5363 7735	9	3	-	1	-			- 1			-			-
186:1	Stratford	882	38906	84	14	4	3	-	-	-	-	-	-	1	-	1	-
3	West Ham wwwwH\$-	7351 4372	101053 32430	129	51 11	24	6 2	-	-	2	-	1	1	4	1	1	-
4	Waithamstow H -	6520	28869	28	16	5	5	-	-	-	- 1	-	-	1	-	-	1
187:1	Chigwell (part of) • H Epping (W, pt. of)*	11761	9869	8	2	2	-	-	-	-	-	-	-	1	-	1	-
189:1	Romford (part of) * W	6730	3411	-	-			-		-		-		-	-		
5	liford Barking Town	5493	7645	2	3	2	1	-	-	-	-	-	-	-	-	-	-
0	Barking Town	4127	9203	[9]	10	5	2	-	- 1	-	-	1	-	2	-	-	-

<sup>4</sup> the parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as long # 80 : 2. Epsom suc-district, except the parishes of Asnatead and Headley (pop. 1255); 37 : 1, the parishes of Warlingham and Farley in Godstone su 30 12, Epsons and other except the parising of Assacrad and heanisy (pop. 1235); 37:1, the parising of Warmerian and Parising of Gadham a Knockholt (pop. 1818); 41:2, Chislenurst sub-district, except the parish of Chelsfield (pop. 247); 135:1, the parish of Northaw in Hattis sub-district; 187:1, Chiswell sub-district, except the parish of Theydon Bois (pan. 475); 189:1, the parish of Dagendom in Romford sub-district is the Workhouses belonging to the Outer Ring in 42.2, Dartford, 137:2, Watford, and 187:1, Epping, sub-district.

<sup>†</sup> Exclusive of deaths of London residents in the Holbert Union Workhouse (see Table 5).

<sup>\$</sup> Exclusive of deaths of London residents in the Hebrora Union Workhouse (see Table 5).

Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5.)

PABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 24th August, 1889.

			ANNUA	L RATE		The DEATHS registered in the Week include										
CONTRACTOR OF	Area in Acres	Estimated	of Mor	TALITY living.	DEATHS	Deat	Deaths from								Public ions.	
GREATER LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From Diseases in Cols. 8-14.		from ALL CAUSES.	Infants under 1 Year of Age.	under aged 60 1 Years Year and		Measles.	Searlet Fever. Diphtheria.		Whooping- cough. Fever.		Diarrhoss.	Violence.	Deaths in Pu lustitution
Cols.	1.	2.	3.	4.	5.	6,	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
EATER LONDON	448,334	5,642,015	14.8	2.4	1604	505	360	-2	12	21	39	30	13	147	64	310
INNER LONDON -	77,410	4,351,738	14.9	2.4	1240	387	275	-	9	16	37	20	11	109	56	279
OUTER RING -	370,924	1,290,277	14.7	2.4	364	118	. 85	-	3	* 5	2	10	2	38	8	31

one.—The area of Greater London is 448.334 acres; of which 4.892 acres are tidal water and foreshore. This area is equal 100.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

Table 8.—Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,657,164 Persons.

						Awwara	DE	ATHS	FROM D	PRINC	s.	ZYMOI	_
CITIRS	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending		BIRTHS.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhogal Diseases.
ALCOTTA	433,219	July	6	-	223.	26.8	-	-	gan	m 1		65	<b>45</b> †
OMBAY	773,196	*)	23	-	-	-	-	- 1	- u	-	- 0	-	64+
ADRAS	398,777 {	June	21	303 296	338 312	44.0	-	26	5	-	9	87 61	51+
ARIS	2,260.945	August	17	1130	928	21.3	2	13	2	18*	10	27	139
RUSSELS th 8 Faubourgs.)	471,606	93	17	246	186	20.5	-	-	~	-	3	2	37
MSTERDAM -	403,083	99	17	280	142	18.6	-	1	-	6	2	1	-
OTTERDAM .	197,723	"	17	140	71	18.6	-	3	-		- 1	-	1
HE HAGUE .	153,440	99	17	123	73	24.7	-		-		-	-	2
OPENHAGEN -	807,000	{ "	10 17.	274 186	126 145 78	21.4 24.6 17.8		1	1	5 7 3*	5	1 3 1	21 22 18
FOCKHOLM -	228.218	>>	10	125 64	70	26.3			-	6	6		13
HRISTIANIA .	138 309	as .	17	0.8								0.0	انت
T. PETERSBURG	842,883	,,	10	-	534	33.1	-	20	12	4	5	30	133
BERLIN	1,489,672	22	3	871	593	20.7	-	2	3	11	4	4	166
lamburg (State)	675,276	97	10	423	255	23.1	-	1	2	8*	2	5	50
PRESDEN	264,196	99	10	165	147	28.9	9	-	-	7*	5	2	39
BRESLAU	315,000	93	17	205	163	27.0	-	2	1	5*	-	-	31
MUNICH	281,000	93	10	201	230	42.6	1 -	1	-	5*	1	-	94
VIENNA	811,434	23	10	497	306	19.6	-	5	-	3	2	1	68
PRAGUE	304,356	,,	10	-	131	22.2	2	1	2	1	1	1 15	56
BUDA-PESTH .	452,907 -	32	10	326	261	30.0	-	-	2	13	1	19	12
TRIESTE	158,084	"	10	-	71	23.4	-	-	-	2*			
ROME	404,449	June	29	234	173	22.3	1	5	-	3	1	7.1	
TURIN (10 days).	306.398	July	20	209	257	30.6	1 -	20	-	3	5	-	59
VENICE	153,375	August	3	81	78	26.2	3	1	1	-	-	1	16
CAIRO	374,938	July	25	394	484	67.4	5	6	-	3		30	193
ALEXANDRIA .	001 000	19	25	156	199	44.9	2	-	-	1	1	16	56
NEW YORK	1,571,300	August	3	-	850	28.2	-	1	2	22	14	13	190
	814,505	33	3	-	399	25.0	-	2	3	15	8	5	74
PHILADELPHIA		99	3	-	442	22.2	-	-	3	4	5	17	67
_	500,343	99	3	The second second	203	21.2	1 -	-	-	1	1	4	48

<sup>\*</sup> Including deaths from croup. † Including 24 deaths from cholera in Calcutta, and 3 and 1 respectively in Madras. ‡ Including 6 deaths from malarial fever.

Table 9.-METEOROLOGICAL OBSERVATIONS taken at the Roxal Observatory, Greenwich, during the Week ending Saturday, August 24th, 1889.

2°S 2°S 2°S 2°S 2°S 1°S 1°S 1°S 1°S 1°S 1°S 1°S 1°S 1°S 1														_								
-		Ozone	70	2.8	2.0	2.3	0.4	0.9	0.2	, H	8.3	27	ea; no	er, are	he air	raphic	, and	below I. and n the	The	t, show	.85 in.	used to
Rain	in a Gauge	in a Gauge whose receiving surface is 5 inches above the		in. 0.00	0.13	\$8.0	0.52	90.0	00.0	0.50	86.0 80.0	26	vel of the sea; no	rmomet m a disc paromete I mean re	re of the sher's I	photograph photograph	"higher	wo feet Deptforcons ons from	rometer's. strong	trument ipplying	reek to 29 sed to 29	t; incread
		on s.	Depar- ture from Average of 16 Years.	Miles.	-113	+ 256	+142	+223	96 +	+ 41	Sum +623	25	an level	ourb the uced fro for the lorrected	mperatu humidit by Gla	on of the	dicates	oth of turket at	ng Elect derate;	nine Ins	of the w	the 21st
rs.	Rohing	Kobinson's.	Horizontal Movement of the Air on each Day.	Miles.	113	481	498	449	323	270	Sum 2209	24	ve the mer	tions wer ctions ded ding 1873 With the c	the mean daily value of temperature of the air temperature and degree of humidity are deduced and wet bulb thermometers by Glaisher's Hygro-	discussion di discussion discussion discussion discussion discussion discussi	that + in	Cattle Ma	f-registerio	kes Sunsl	beginning n the 20th	I. on the 2
nomete		pe .	Mean of 24 hourly obs.	lbs. 0.1	0.0	9.1	6.0	1.0	0.1	0.1	:	23	et abo sea le . P.M.;	corrections of the correction of the corrections of the corrections of the corrections of the corrections of the corrections of the corrections of the corrections of the corrections of the corrections of the corrections of	and cand co	from a 1868, a for th	mind	spende reign farket	n's sel	ell-Sto	A.M. O	Sh. P.1
m Aner		Fressure on the Square Foot.	Least. 1	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	23	luce to on; 3h	nomet tion of anty ye momet	an da	rived nding ecords	rue in	are sur the Fo	homson ive; w	Sample the day.	74 in. g	in. by
uced fro	9	Pressi	Great.	lbs. 1.4	0.0	2.01	1.6	2.4	1.9	6.5	:	21	to red	pplica he twe he ther	he me	hat de	be bo	es of es of or	om Ti	on ead	om 29	10 29.65
Wind as deduced from Anemometers.	Osler's.	irection.	P.M.	SW. & SSW.	SE. & SSW.	W. & WSW.	SSW. &SW.	WSW. &	WSW. & W.	WSW.&SW.	V.	20	The height of the cistern of the barometer is 159 feet above the mean fevel of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 90, A.M.; noon; 30, P.M.; and 90, P.M. The means of the	by-readings of the baronnelet, the dry Dulo Inferinouscet, and the Web Dullo Internometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the baronneter, and whiting the twenty wears ending 1875 for the baronneter, and whiting the twenty wears ending 1865 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the reading	and minimum thermometers, forming the mean daily value of temperature of the art (column 8). The mean daily daw point temperature and degree of humidity are deduced from the mean daily value of the day and wet bulb thermometers by distainers Hygre.	metrical tables to the photographic of the air is that derived from a discussion of the photographic records made at Greenweld during the 20 years ending 1985, and that of horizontal movement of the air from a discussion of the anemometric records for the 18 years ending 1885.	and 25 it will	The thermometers in the water of the Transce are suspended as a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market as Deption, and their readings are registered by the Clerk of the Market, under instructions from the	Corporation to Loundon to the Corporation of the Corporation of Legistering Electrometer. The The record of Electricity is derived from Thomson's week; m. moderate; s. strong; and maniply of the Corporation of the Corporat	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the named duration of bright sunshine on each day. The results of all the meteorological observations are to be understood as applying to the	I day, or from midnight to midnight.  The reading of the buroneter increased from 39.74 in at the beginning of the week to 29.48; in, 10th. A.M. on the 18th; decreased to 29.40 in. by 9h. A.M. on the 20th; increased to 29.40 in. by 9h. A.M. on the 20th; increased to 29.48 in,	by 9h. P.M. on the Same day; decreased to 29.10 m. by 9h. P.M. on the 21st; increased to 29.80 in. by noon on the 28rd; decreased to 29.62 in. by 8h. P.M. on the 24th; and was 21.87 in.
		General Direction.	A.M.	SW.	ENE. & ESE.	S. & W.	SW.	SW.&WSW.	WSW. & W.	SW. & WSW. WSW. & SW.	SW	19	the cistern een applied t	the baromete mean daily v phic records 1 1ty years end thermometer	and minimum thermometers, forming (column 8). The mean daily dew point from the mean daily values of the dry	temperature Greenwich of discussion o	"lower," than the average.	The thermometers in the watthe surface, at the end of one their readings are registered	Corporation of Loudon.  The record of Electricity symbols employed are:—P.	in column 29 iuration of br	civil day, or from midnight to midnight. The reading of the harometer increased by 10h. A.M. on the 18th; decreased to 29	the same du
Under the Superintendence of the Astronomer Loyde.  Difference between	Water	names offord.	Low-est.	۰:	:	:	١٠:	:	:	:	:	18	ight of the partions	ngs of into otographe twell	mum 8). T	rables erage l nade af	ling th	ce, at dings	cord c emplo	mbers grate d	or fro	M. on by noo
TEMPERATURE.	Of the	at Deptford.	High-	• :	:	:	:	:	:	:	: .	17	The he	readi ring th	d min	metrical Tables. The average trecords made at	" lowe	The the surfa	Corporation The reco	The nu	ril day, The res	9h. P. 80 in.
EMPER	1	Radiation.	Lowest on the Grass.	0.14	6.54	0.19	4.67	47.0	43.0	45.0	45.4	16	Coo	1	re and			, age	5 8		by	29
T I	1		High- est in Sun's Rays.	0.981	0.811	0.48	2.66	127.6	9.611	123.0	115.9	15		evening;		y durin				Thunder-		
renaen	Degree of Hu-	midity (Satu-	ration equals 100).	70	06	75	28	80	20	83	80	14	KS.	cloud till		Heavy showers in morning; fine but cloudy during ty. Strong gusty wind.  Variable; showery. Windy,		on.				
uperin	Difference between the Air Temperature and Dew Point Temperature.		Least.	0.0	0.5	0.0	1.0	1.6	9.0	0.0	0.2	13	MARI	of cloud	÷	fine bu		Showery in afterncon.		Showery in morning.		
ence het	Tempe Dew Po	nberara	Great-	6.13	2.6	15.0	9.8	2.41	17.5	13.7	14.8	12	AL RE	amounts	Showery.	orning	Windy	wery in	· A	lowery		
Differ	the Ain	Te	Mean daily value.	9.9	5.8	8.0	3.8	0.9	4.6	3.5	6.5	11	GENERAL REMARKS.	de amo	am	rs iu m	Variable; showery. Windy.		y cloud		•	
	Of the Dew	Point.	Mean daily value.	50.7	58.4	49.7	54.3	51.1	1.95	21.5	9.12	10	G	Fine; variable oudless at night.	Generally overcast.	shower	le; sho	Tine generally.	Fine; partially cloudy.	ally clou		
E.			De- parture from average of 0 years.	01.2	₹.0 -	7.8 -	- 3.5	4.5	₹.2 -	4.9 -	3.5	6		Fine; cloudless	Genera	Ileavy day. St	Varial	Fine g	Fine;	Generally cloudy.		
TEMPERATUI	ir.		Mean daily value.	9.09	61.5	2.12	1.89	1.19	500.8	2.1.4	57.8	00	above rizon, hours.	14.4	14.3	14.5	14.5	14.1	14.1	14.0	7.68	80
TEMPE	Of the Air.		Daily Range.	25.2	6.13	8.6	12.1	6.91	2.91	16.6	0.41	7	Registered Sun above Sunscone, Horizon, in hours.						-		-	
			Low- est.	49.1	51.5	2.4.2	53.1	2.19	48.9	40.0	51.1	9	Registered Sun above Sunsone, Horizon, in hours.	\$1 \$2	1.0	2.4	2.2	4.3	10	61	Sum 26.3	29
			High-	.4.3	73.1	64.5	65.5	9.89	65.4	65.6	68.1	10	-				tion {					-
BARO-	Mean	reading (cor-	rected and re- duced to 32° Fahren- heit).	in. 29.820	29.397	29.278	29.222	29.418	29.786	29.655	29.511	4	ELECTRICITY. (For explanation of symbols, see Note.)				Yne electrometer was not in action throughout the week.					28
	Phases	of the	Moon.	Last Qr.	:	:	Apogee.	(dreatest		•	:	3	For e			i	was n					
-			9 2	100	19	50	21	522	23	16				18	12	9,	- GT	31	ij.	- 71		1
	1889.		Monte and Day.	AUGUST.	Mon	TUES	WED	THUES.	FBI	SAT.	MEANS	No. of Col	DATE. AUGUST.	SONDAY	MONDAY .	TUESDAY .	WEDNESDAY	THURSDAY.	FRIDAY .	SATURDAY.		No. of Col.

#### OFFICIAL COPY.

# WEEKLY RETURN

#### DEATHS BIRTHS AND LONDON

#### TWENTY-SEVEN OTHER GREAT TOWNS:

### By Authority of the Registrar General.

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WEEK ENDING SATURDAY, AUGUST 31. No. 35, 1889, Vol. L.]

Price 13d.

General Register Office, Somerset House, 2nd September, 1889.

### TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 16.9 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending		*			Weeks	ending	
Towns.	Aug. 10.	Aug. 17.	Aug. 24.	Aug. 31.	Towns.		Aug.	Aug. 17.	Aug. 24.	Aug. 31.
Brighton -	18·7 21·9 22·7 19·5 18·0	23·4 25·0 23·2 18·4 18·0	12·4 11·1	15.0 23.2 16.8	Liverpool - London - Manchester Newcastle-on-Tyr Norwich - Nottingham Oldham -	- ne*	16·4 24·5 30·8 18·8 18·0	18·3 16·6 23·0 27·9 21·5 16·2 17·2	14.9 24.4 29.2 14.9 15.4	15·1 23·4 25·6 14·9 14·7
Cardiff* - Derby - Halifax - Huddersfield Hull -	24·5 14·3 16·7 19·1 21·6 20·3	18·1 9·0 22·5 16·9 28·1	25·5 14·3 16·7 14·6 23·6 15·8	13.9	Plymouth - Portsmouth Preston - Salford* - Sheffield - Sunderland Wolverhampton		31·4 18·5 34·6 16·9 23·9 28·4	26·7 20·7 42·6 18·7 22·6 29·5 22·1	34·0 21·1 26·5 19·4 21·5 23·3	24·0 15·1 24·5 18·0 18·2 22·6

The highest annual death-rates, measured by last week's mortality, were:-from measles, 2.4 in Bradford and 2.5 in Preston; from scarlet fever, 7.3 in Plymouth; from whooping-cough, 1.9 in Wolverhampton and 2.0 in Birkenhead; from "fever," 1.0 in Preston and 1.3 in Wolverhampton; and from diarrhea, 4.0 in Preston, 4·3 in Hull and in Blackburn, 5·1 in Wolverhampton, and 5·8 in Sunderland. The 52 deaths from diphtheria included 32 in London, 4 in Manchester, 3 in Salford, 2 in Blackburn, and 2 in Sheffield. No death from small-pox was recorded in any of the twenty-eight great towns.

LONDON.

Allowing for In London 2425 BIRTHS and 1263 DEATHS were registered. increase of population, the births were 229, and the deaths 220, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 16.6 and 14.9 in the two preceding weeks, was last week 15.1. During the first nine weeks of the current quarter the mean death-rate was 17.1 per 1000, and was 2.8 below the mean rate in the corresponding periods of the ten years 1879-88.

The 1263 deaths included 12 from measles, 17 from searlet fever, 32 from diphtheria, 21 from whooping-cough, 12 from enteric fever, 78 from diarrhæa and

59334.—9. 610.—9/89. Wt. 14.

MM

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Loieoester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

dysentery, 1 from choleraic diarrhoea, and not one from small-pox, typhus, or ill-defined forms of continued fever; thus, 173 deaths were referred to these

diseases, being 140 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 7; and no case of this disease was under treatment during the week in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had numbered 18 and 9 in the two previous weeks, rose again last week to 12, but were 25 below the corrected average; 3 belonged to Chelsea sanitary area. The fatal cases of scarlet fever, which had been 13 and 16 in the two preceding weeks, further rose last week to 17, which were, however, 19 below the corrected average; 3 belonged to Kensington, 2 to Fulham, and 3 to St. George Southwark sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 966 scarlet fever patients on Saturday last, against numbers increasing from 559 to 871 in the nine preceding weeks; 136 cases were admitted to these hospitals during the week, against 124, 98, 90, and 98 in the four preceding weeks. The deaths from diphtheria, which had been 36 and 37 in the two preceding weeks, declined last week to 32 (of which 15 occurred in hospitals), and exceeded the corrected average by 15; 2 belonged to Marylebone, 2 to Islington, 3 to Bethnal Green, 2 to Stepney, 2 to Mile End Old Town, 2 to Poplar, 2 to Bermondsey, 5 (including 2 at 30, Dulwich Road) to Lambeth, 2 to Battersea, and 2 to Greenwich sanitary areas. The 21 deaths from whoopingcough showed a further slight increase upon the low numbers in recent weeks, but were 9 below the corrected average; 3 belonged to Marylebone, 3 to Islington, and 3 to Wandsworth sanitary areas. The deaths attributed to diarrhea and dysentery, which had declined in the six preceding weeks from 273 to 109, further fell last week to 78, and were 83 below the corrected average; 59 were of infants under one year of age, and 14 of children aged between one and five years. The death of an infant, aged five months, in Battersea, was referred to choleraic diarrhœa.

The deaths referred to enteric fever, which had been 8 and 11 in the two previous weeks, further rose last week to 12, but were 3 below the corrected average; 4 belonged to Islington sanitary area. The Metropolitan Asylum Hospitals contained 70 cases of enteric fever and one of typhus on Saturday last; 13 cases of enteric fever were admitted during the week, against 11 and 6 in the two preceding weeks.

The death of a labourer, aged 51 years, in Guy's Hospital, on the 21st ultimo, was the subject of an inquest, the verdict being "anthrax, deceased being poisoned

" by some insect imported in a hide, 6 days, post mortem."

The deaths referred to diseases of the respiratory organs, which had been 162 and 115 in the two previous weeks, rose again last week to 148, but were 22

below the corrected average.

Different forms of violence caused 51 deaths, on all of which inquests were held. Of these 51 deaths, 5 were cases of suicide and 3 of infanticide, while the remaining 43 were attributed to negligence or accident. Eight of these 43 deaths were caused by vehicles in the streets, 4 by burns and scalds, 10 by drowning, and 8 of infants under one year of age by suffication.

GREATER LONDON.

In Greater London 3268 births and 1600 deaths were registered, corresponding to annual rates of 30·2 and 14°8 per 1000 of the estimated population. In the Outer Ring 31 deaths from diarrhæa, 9 from whooping-cough, and 8 from diphtheria were registered. Of the 31 deaths from diarrhæa, 8 occurred in West Ham, 4 in Bromley (Kent), and 3 in Stratford registration sub-districts. Two fatal cases of whooping-cough were recorded in Bexley sub-district.

### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.95 ins.; the lowest reading was 29.67 ins. at the beginning of the week, and the highest 30.08 ins. at noon on Tuesday. The mean temperature of the air was 60°.2, and 0°.4 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on cach of the first four days of the week, but showed an excess on Thursday, Friday, and Saturday. The general direction of the wind was S.W., and the horizontal movement of the air averaged 8.2 miles per hour, which was 1.9 miles below the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine in the week was 53.9 hours, against 55.0 hours at Glynde Place, Lewes.

. See note on first page of this Return.

-								-	-	-		-		-	-		-	-						-	-		-	-		_			-	7
		CITIES	AND BOROUGHS.		Cols.	- 28 TOWNS.	LONDON.	PORTSMOUTH.	NORWICH.	PLYMOUTH. BRISTOL	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	DOLLON.	MANCHESTER.	OLDHAM.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	CHEBETET.	HTTT	SUNDERLAND.	NEWCASTLE.	CARDIFF.	Dougramma	Grasgow.	DUBLIN.	
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AIR.	Ī	ū.	.abargi	Cent	22.	13.72	12.67	20 1	1	14.22	68.31	1	ı	15.94	1	1 0	200	1	1	1 1	ı	1	1	1	12.72	ı	10.01	1 1	13.83	8 1	00.00	10.01	13.89	
OF THE		Mean.	·tiedne	TdsA	21.		60.2	-		57.6		1	1	55.3 1	1		26.9	1	1	1 1		1	ı	1	54.9 1	1		0.00	C			T OG		
ATURE		.38	Lowe	heit.	20.	45.0	44.1	2 1		46.4		1	1	42.5	1		2.09	ı	1	1 1		1	1	ı	12.0	1		0 1	. 0.69		11000	40.0	40.0	
TEMPERATURE OF THE AIR.	-	.186	dgiH	Fahrenheit	19.	84.2 4	84.2 4	# I	1	74.0 4		1	1	75.2	1		1.69	1	1	2 1		1	1	1	6.04			0 //				7 07		1
-600	-	eaths	ai sess in s. 6-12.	Diac	18.	3.0	2.1 8	1.1	2.5	1.0.0	2.6	3.5	2.4	_	0.0		9.00	0	1.9	3 10	6.5	2.2	2.5	9.0.	-	6.7	0.4		. Hillion all or P	-		D - C		1
Annual Rate	corresponding	Week's Deaths	m All suses.	0	17.		15.1	15.1	7	24.0 I		15.0	2.6					8.91	23.4	0.81	23.5	24.5	9.71	17.4	\$.00	17.8	78.5	9.77	0 1 1 0		1	70.01	9.97	
-			fitteen Lio aes		16.	61 1	21	4 6	-	1 1	1 61	10		1 1	1	-		7	63		1 67	22		63	-	4	-	N C	1 0	) I	1-	an banks.	14	-
	-	,8a	Public etitutio	ul.	15.		335 1	2 61	63	23 62	13	18	10	2			25.		34	2 ×	1 0	63	4	00	14	9	H	9 4	1 15	- 63	п		27	
١	-	u	sO tasu Jeathai		14.	200	93	4 4	60	1 1	. 13	14	63	63	4	00 ;	14	44	13	4 1		8	å	7	4	9	4	00 0	0 4	# 10	-	2. 6	2. 00	
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my was acceptance in the Week include			.amdrr	Dia	12.	296	78	# c3	00	H 9	00	16	431	60	1	4	30	10	22	9 -	101	90	4	1	10	13	180	17	CT	e co		4	14	
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		B of	Years Years pwards	Rerso 60 and u	2.	209	888	1- 0	0 10	9	2 1	14	1 10	15	00	12	31	4	56	12	00 0	07	4	Lo.	18	25	21	6	11	000		14	26	00
		ath	ts under lo tra sgr of	8	4.	929	331	00	12	0	13 22	2	10	86	00	11	22	13	56	25	7	24	10	10	22	39	26	40	15	14		18	48	00
	luring			DEATES.	65	3091	1263	35	27.	36	27.4	101	701	67	17	41	229	37	170	18	36	54	26	27	92	122	114	85	20 00	30		83	195	nor
	Registered during	the Week ending	- I TOYOU	BIRTES. D	63	5659	2425	53	2 63	20	136	2 0	255	198	9	17	365	98	263	129	22	40	46	51	108	232	808	134	92	140		143	371	007
-	R	POPULATION th			1.	9,555,406	4.351.738	121,807	141,253	78,225	229,361	82,044	454,835	020,001	98 69 89	102.541	606,562	114,670	378,800	234,283	142,405	121,276	92.825	81,080	235,056	857,449	827,227	208,017	184,198	160,988		266,900	528,144	200,000
		d ·			Cols.		•				8 16 0	LON	•				•	٠		•	6	8 (	. 0					6					٥	•
		Strate	AND SOROUGHS.		3	OR TOWNS	and the second	BRIGHTON .	PORTSMOUTH	PLYMOUTH .	RISTOL	WOLVERHAMPTOR	BIRMINGHAM	LEICESTER	7	DERBY .	LIVERPOOL .	POLTON .	MANCHESTER	SALFORD*	OLDHAM .	BLACKBURN .	HIDDERSTEID	HALIFAX .	RRADFORD	LEEDS - "	SHEFFIELD .	HOLL .	SUNDEBLAND	NEWCASTLE*-		EDINBURGH.	GLASGOW	DUBLIN .

Table 2. LONDON.—Births and Deaths Registered in the THIRTY-FIFTH Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births Males Females .	2502	2403	2358	2496	2448	2460	2538	2332	2297	2508	2654·4	2425
	1296	1220	1185	1284	1249	1211	1307	1212	1177	1255	1351·7	1240
	1206	1183	1173	1212	1199	1249	1231	1120	1120	1253	1302·7	1185
Males Females .	1391	1460	1190	1473	1292	1542	1238	1328	1339	1342	1482·5	1268
	718	766	632	736	693	815	663	684	710	683	774·2	660
	673	694	<b>5</b> 58	737	599	727	575	644	629	659	708·9	603

The numbers in this column are the average weekly numbers in the thirty-fifth weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population,

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

							002 1	TI CITC	JUNE	THIR	TEEN	WEE	1.0.
	June 8.	June 15.	June 22.	June 29.	July 6.	July 13.	July 20.	July 27.	Aug.	Aug.	Aug.	Aug.	Aug.
TOTAL Births	2523	2396	2636	2467	2507	2306	2627	2376	2481	2180	2715	2358	2425
TOTAL Deaths	1306	1247	1243	1265	1350	1605	1556	1553	1532	1366	1382	1240	1263
Ages at Death Death 0-20 years - 20-40 " - 40-60 " - 60-80 " - at 80 years & upwds.	601 186 245 234 40	564 173 227 236 47	575 180 218 225 45	572 179 232 229 53	722 168 221 205 34	902 151 232 257 63	908 164 197 245 42	898 166 228 212 49	850 161 209 261 51	739 139 222 216 50	727 160 202 235 58	628 140 197 223 52	569 172 234 241 47
Yunder 1 year - 1-5 - 5-20	306 205 90	293 184 87	281 203 91	315 189 68	429 208 85	617 196 89	631 197 80	599 216 83	555 193 102	468 195 76	447 195 85	987 163 78	831 156 82
Deaths from Small-pox  """, Measles """, Scarlet fever """, Diphtheria - """, Whooping-cough """, Typhus """, Enteric fever """, SimpleContafever """, Diarrhea and	39 12 34 26 - 3 4	32 11 26 37 - 8 2	23 17 27 27 27 7	93 10 13 27 - 8 1	31 9 38 32 - 8 -	30 9 25 26 - 8 2	29 12 23 29 - 7 - 278	20 6 44 19 - 8 1	25 11 45 22 - 8 -	15 16 28 19 2 6 1	18 13 36 17 - 8 -	9 16 37 20 - 11 -	12 17 32 21 - 12
Dysentery - 5 ,, Cholera	1		-	-	5	10	10	10	4	4	4	2	78
,, all the above- mentioned Diseases	138	150	141	149	278	368	383	379	314	266	254	204	173
,, Dis. of Respira- tory System } ,, Phthisis - , Dis. of Circula- tory System }	205 174 97	169 162 106	171 155 123	169 137 99	143 138 94	158 127 117	141 136 102	160 150 91	182 126 110	149 128 93	162 135 111	115 139 104	148 149 93
Violent Deaths Inquest Cases Deaths in Public Institutions	58 91 323	48 109 190	53 105 324	39 90 314	51 90 280	83 129 356	43 83 348	60 113 314	70 115 325	65 114 320	49 108 319	56 93 279	51 93 335
TEMPERATURE OF THE AIR Mean	64·3 77·2 53·4	56.8 64.0 51.7	59·6 72·4 49·7	64·1 77·1 52·1	63·3 74·6 53·7	63·0 72·9 56·2	58·7 69·9 51·3	58·1 67·7 51·9	64·9 76·2 55·3	60°4 72°8 52°0	59·3 69·7 52·5	57·8 68·1 51·1	60°2 73°0 48°5
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	73 0·31 50·1	89 1·73 3·3	76 0·c0 65·3	71. 0·02 54·1	71 0·c0 51·3	80 0·72 23·0	80 0·43 28·1	82 0·90 26·5	76 0·20 36·5	80 0·46 46·0	82 0·19 26·8	*80 0.98 26.2	74 0·00 53·9
													33 9

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., Ll.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., M.R.C.S., Freston; J. McLandsborough, Esq., Sunderlaud; and Wm. Lyall, Esq. Newcastle-on-Tyne,

мм 3

TABLE 4. LONDON .- DEATHS Registered at several groups of Ages from different CAUSES in the

TABLE 35 140	NDON			Tı	HR	ry-X	TFT	н	Vee	of the Year 1889.					040				
	the		In	the	Wee 31st	k en	ding ust l	889.			for the	1	Satur	n the	31st	ek er Augi	nding	387.	
	for 0 ye	-	De	aths	of E	erso	ns of				10 ye		De	aths	of P	ersor	as of		
	rage the 88.*	-	L	-		40°	.00	80°.	-	CAROLO OR DEARIN	Averages to the 10 1879-88.*		1 1	Inder	1	9	99.	.00	-
CAUSES OF DEATH.	Ave ks of 1879	89	_	20.		under 4	under 60	E S	s and	CAUSES OF DEATH.	d Av	90		20.		under 4	under 6	er	Pa mind
	ested Wee	AGES			9.	and un	and un	and un	u Years		Carrected 35th Week	AGES	ı		0.	and ur		and un	Years
	Corre	ALL	0-1	1-6.	6-20.	20 au	40 BJ	60 21	au ur		Cor	ALL	0-1.	1-5.	07-9	20.2	40 and	di a	90
ALL GAUSES	1492.5	1263	331	156	82	172	234	241	47	Diseases of Organs of	1.1	2			1	1			
Vaccinated! -		-	-	-	_	Ī	_	-	-	Special Sense †}				_	-	-	-	-	
Small- Unvaccinated	6.2	-	-	-	-	-		-	ŀ	Diseases of Circulatory }	92.8	93	-	-	5	19	28	32	
No Statement	-37.1	12	3	9		-	-	-	-	Croup - 1	9.9	1	-	1	_	_	-	-	-
Scarlet Fever	36.3	17	3 -	12	2				-	Bronchitle	83.8	80 44	10	13	3	5	10 7	28 6	6
Typhus Relapsing Fever't	0.0		-	-	-	-	-	H		Other Diseases of Respi-)	19.8	6 17	1	7	1	4	1 6	1	-
Influenza	30.4	21	5	15	1		_	I		ratory System 5						_	-	_	-
Whooping-cough Diphtheria	16.8	32	4	16	10	2	-	ŀ	-	Dentition † Quinsy, Sore Throat † -	10.5	3.	2	1	1	-	-	-	-
Simple Continued and )	1.7	-	٥	-	-		-	-	-	Quinsy, Sore Throat † - Enteritis Peritonitis	12.0	20 6	9	3	2	1	2 2	4	1
Ill-defined Fever - } Enteric Fever	14.6	12		1	1	4	5	1	-	Diseases of Liver - Other Diseases of	30.5	28 35	4	4	1 2	1 1 4	12	9	1 2
Cholera	160.9	1 78	1 59	14	_	2	-	3		Digestive System -}	00 2					3	_		
Diarrhosa, Dysentery - Remittent Fever†	0.2	-	-	-	-	-		-	-	Diseases of Lymphatic)	7.0							,	
Hydrophobia	0.3			-	-	H	-	H	-	System & of Ductless Glands † }	1.2	3			1	1		1	
Glanders Cowpox and Effects of )	0.1			-						Diseases of Urinary						_			
Vaccination † 5	11.9	15	10		-	2	1	2		System}	36.3	37		-	-	1	14.	20	2
Venereal Affections - Erysipelas	5.9	5	-	-	-	1	2	2	I-	Discourse of G						-			
Pyæmia and Septicæmia †	1.8	2 4		-	-	4	-	2		Diseases of Generative System Accidents of Childbirth	4·9 5·4	10 5	-			8 5	5	2	
Puerperal Fever Other Zymotic Diseases †	710	2	-	Н		~	1	1		22 Condents of Children			-			-		-	
	5.2	2	2	_				_	Ī	Diseases of Locomotive System + }	6.2	6		-	4	1	1	7	-
Thrush Worms and other Para-	0.8	1	-		_	-	1	-	H	Diseases of Integumen-		3							1
sitical Diseases}		-	-	-	-	-	-		E	tary System}	5.2	-	2			-			1
Starvation, Want of Breast-milk † }	3.8	1	1	-	-	-	-	-		VIOLENT DEATHS.§									
Alcoholism	5.1	8		-	-	5	3	-		(Accident.)									
Rheumatic Fever.	7.8	4	-	_	_	2	1	1		Fracture and Contusion Gunshot Wound	20.1	16	3	1	1 -	4	5	1	1 -
Rheumatism of Heart† } Rheumatism †	.2.4	2	-	-	-	-	-	2	-	Cut, Stab Burn and Scald	0·3 8·7	4	-	ī	-	1	ì	ĩ	,-
Gout	3.8	2 5	3	-	-	-	1	1		Poison	8.6	10		8	2	2	2	1	
Rickets †	50.7	69	-	1 -	1	7	23	39		Suffocation Otherwise	3.1 8.8	8	8 -	1	ī	-	ī	7	-
Tabes Mesenterica -	41'3	35	20	9	5	1	-	-	-			-	1-						
Tubercular Meningitis - Phthisis	28.7	21 149	11 2	1	18	75	41	9	-	(HOMICIDE.) Murder & Manslaughter	0.5	3	3	-		-	-	-	-
Scrofula, Tuberculosis -	19.6	21	9	3	4	3	2	-	-	Tarage of Patenting Moor		-	-		-				
Other Constitutional Diseases † -	9.8	6	1	1	-	2	2	-	-	(SUICIDE.)									
	9014	1	40					-	-	Gunshot Wound Cut, Stab	0.8	1 2 1	1	-	-	- 2	ī	-	E
Premature Birth	36.4	43	43	-	-	-	-	-	-	Poison	1.1		=	-	-		ī	-	-
Congenital Malforma-	6.0	7	7	-	-	-	-	-	-	Otherwise	1.0	ī	-	-	-	î	-	-	-
Old Age ~ -	43.7	43	1-	-	-	-	1	22	20	(13									
Apoplexy	34'7	38	1	-	1	-	15	23	1	(EXECUTION.) Hanging	0.1	-	-	-	-	-	-	-	-
Epilepsy		3	-	-	-	-	3	-	-				-	-	-	-	-	-	-
Convulsions Other Diseases of Brain	19.2	73	25			3	16	21	3	OTHER CAUSES †	77.6	51	44	4	-	-	1	2	-
and Nervous System	12.8	13	1 9	10	0	1 3	10	1 21	10			1	1	1					

59334.-9.

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9°046 per cent. for increase of population.

As the ten years average could not be correctly ascortained, the average for the seven years 1882-8 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the descased has, or has not, been vaccinated, or when the cause of death is not corrided by a registered editioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, inslaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE S. LONDON.—FOPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARIET during the Week ending

TABLE 5. LONDON.—TOTOLATI							-			_					the \		- CH	- Targ
				_			The	DEA	TH8	_			Wee	kine	lude	-		
	Enume-			Deat	hs of					-	hs fr	om					lie.	103
REGISTRATION	rated Popu-	EI3	Hr.	or 1	d 60			i.		-cough		040	101.				Public ions.	Uncertified Causes of Death.
SUB-DISTRICTS.	lation,	Вівтия	DEATER	under of Age.	aged a upw	pox.		Fever.	eria.	ing		o (or	d Fever	1008.	. 00	Inquest Cas	tutic	diffed eath.
	1881.	Total I	Total 1	nfants Year	ersons Years	Small-pox	essie	Searlet	Diphtheria	Whooping	Typhus	Enterio (o	Simple e	Diarrhos	Violense	onbu	Deaths in Institution	noert of D
		To	H	I	Per	8	H	8	ia	*	H	N.	200	<u>a</u>	<u>&gt;</u>	-	<u>a</u>	2
LONDON · · ·	3,815,704	2425	1263	331	288	-	12	17	32	21	-	12	-	78	51	93	335	12
WEST DISTRICTS	669,688	384	230	59	61	-	6	8	3	1 8	-	3 6	-	10	7 9	12 19	7 <del>4</del> 65	1
NORTH DISTRICTS	905,947	586 125	277	70 21	62 11	-	-	1	3	2	-	1	-	5 14	1 12	5 20	25 78	- 2
EAST DISTRICTS -	692,788	462 918	232 450	58 123	100	-	5	3	5 13	8	-	1	-	28	22	37	93	9
ROUTH DISTRICTS METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON	-	-	-	-	Ŀ	-	-	-	-	-	-	-	-	-		-	-	-
St. Mary Paddington WHH G.J. &W.M.	69888	42	25 8	9	4 3	-	-	-	1 -	1:1	-	-	-	3 -	2 -	2 -	6 5	-
Kensington Town Ww W.M.	87880 120141 48010	8 48 11	36 8	12	10	-	1	1	1 -	=	-	1 -	-	-	1 -	2	9 2	1 -
Brompton H W.M. W.M.	7599 64340	10	2 26	1 8		-	-		-	-	-	ī	-	2	1	2	8	-
St. Paul Hammersmith H W.M. & G.J. St. Paul Hammersmith H W.M. & G.J. Fulham Www - W.M. & C. Chalses South HHH	42900 0396	51 76 17	33	10 9	5 3	-	2	7	-	1	-)	-	-	4		1	3 9	-
Chelsea North-west WHHRHH. C. C. C.	24925 32807	19 21	10 10	ī	5 2	-	8	ы	-	-	E	[-]	-	-	-	1	12	-
May Fair WW G.J. Relgrave WHHH C.	80353 59220	29	16	2 5	14 4 2	-	-	=	1			1	=	-	2	2	8	=
St. John Westminster HHH - C. St. Margaret Westminster H - C.	35496 24679 29941	7	8 5 5	-	2 1	-	-		-		-	-	-	-	-	-	1 2	-
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N R.	16608	8	5	1	-	-			-	-	-		-	1		-	2	ľ
NORTH DISTRICTS.  All Souls Marylebone HHHH - W.M. Cavendish Square HHHH W.M.	26759 14891	11	15	2	1 -	-	-	1.1	-	1 -	-	-	-	-	2 -	2 -	7	-
Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M.	24809 21118	8 21	7 3	1	8		-		- 2	- 2	-	=	-	-	-	-	1 -	-
St John Merviehone H - W.M.	30000	8 17	9 6 8	1 - 2	3 3	-	-		1			-	-	-	-	-	3	-
Hampstead Wow H N.R. & W.M. Regent's Park Paneras H W.M.	89115	23	4 19	2	-4	-	-	-	-	-	-	-		-	-	- 2	12	-
Rogent's Park Fattoras H.R. &W.M. Gray's Inn Lane HHH - N.R. &W.M. Somers Town H - N.R.	27729 30247 84369	12 20 22	17	3 2 9	2 2	-	=		-	ī		ī	-	5 2	1	2	3 7	-
Camden Town WH N.R. Kentish Town W N.R.	17811 87487	15 59	17	2	5 3 14	-	-	1	H	ī	-	3		1	1	1 3	16	-
Upper Holloway WWWH - N.R. Islington South-west HH - N.R. Islington South-east - N.R.	67946 100976 61825	54 49 38	28 12	9 6 4	9 2		-	-	1	1	-	1 -	-	3 2	2	4		-
Highbury $H$ N.R. Stoke Newington $H$ N.R.	52048 22781	38	10	3	1			-	1 -	1 -	-	-	-	1	1	1 -	-	-
Stamford Hill E.L. West Hackney H N.R.	9277 87610 76911	6 20 60	10 30	8 4 7	3 4		-	1 2	3	1 1	1 1 6	ī	-	1	-	2	12	-
Hackney WwwwH - E.L.&N.R. South Hackney E.L.	39888	29	12	7	î	-	-	-	-	-		-	-	3	-	-	-	
CENTRAL DISTRICTS.  St. George Bloomsbury - N.R. St. Giles South WH N.R.	16681 14864	9 7	2 3	1	2	:	-	-	:	-	-	-	-	-	-	-	2	-
St. Giles North N.R.  St. Martin-in-the-Fields HH N.R. & C.	13887	8 9	2	3	3	-	-	-	1		-		-	1	-	1	3	-
St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	7515 8559	3 1	3 5	2	1 -		1		=	-		-	-	-		-	2	-
Strand Union Workhouse, Edmonton w.  St. Geothe-Martyr HHHHHHH N.R.	18671 10706	10 3	12	2	1	ŀ	-		-	1			-	1	-	-	7 2	
St. Andrew Eastern W - N.R. Saffron Hill H - N.R. St. James Clerkenwell - N.R.	6538 17516	8	1 5	3	-	-	-	-	-	-	-	ī	:	î	-	=	-	-
Amwell Clerkenwell - N.R. Pentonville N.R. Goswell-street N.R.	19281 14773 17506	5 7	1 3	ī	-			1 -	-	1				-	1 1 1	1	-	-
City-road HHL N.R.	11541 18628 9217	10 16 8	1 3	2	111	H	-	-	-	-		111	-	1 -	1	2	1	
Finsbury  Holborn Union Workhouse, Mitcham, w.	7468	1 -	1	1	=	-	1 1 1	-	-	-	-	-	-	-	-	-	-	
St. Botolph H N.R. &E. L. Cripplegate N.R.	11174	6 1	2	ī	ī	-	-	-	-	-	:	-	-	ī	-	-	-	-
St. Sepulchre H N.R. St. Bride W N.B. Allhallows Barking - N.B.	8396	1 - 6	9 - 3	1 -	1	3	-	-	2 -	-	-		-	-	-	-	8 -	-
Broad Street H N.R.	5652	1	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhure H-Hospital; L-Lunatic Asylum; w-A Workhure Establishment receiving immates from other Districts than that in which it stands ese note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelses; S. Bouthwark and Yauxhall; L. Lambeth; N. E. New River; E.L. East Louion and K. the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHELA, VIOLENCE, &c., registered in each Sur-district

sturday, the 31st August, 1889.																		- Colombia
							The	DEA	THS 1	egiste	red i	n the	Wee	k inc	lude			
	Enume-			Deat	hs of				1	Death	s fron	a'					2	2
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Intants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or Typhoid) Fever.	tinued Kever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS.  lolywell Shoreditch - N.R. & E.L. t. Leonard Shoreditch + HL*, - N.R. Lytton New Town w N.R. oxton Old Town N.R. Laggerston WH N.R. & E.L.	7376 14967 29937 28086 46275	5 10 20 16 37	1 6 12 5 12	- 1 4 8 2	1 3 1 4	11111	11111	- 11 -	111111	1 2 4 3 1	1111	1111	11111	11111	- 1 2 -	1 2 2	1 20 04 1 00	11111
lackney-road H E.L. lreen, Bethnal Green WHL* - E.L. l'hurch, Bethnal Green E.L. l'own, Bethnal Green E.L.	29788 47982 29981 19810	15 82 25 14	3 22 4 5	2 8 1 2	6 -	1111	1	1111	- 2	1.1.1.1.	1111	1111		1	1	1 -	7	1111
ipitalfields E.L. & N.R. iile End New Town W E.L. whitechapel Church H E.L. & N.R. soodman's Fields E.L. Aldgate - N.R. & E.L.	22585 15478 17490 9718 6102	18 15 9 5 7	9 5 28 - 1	3 - 2 -	1 2 4	11111	inn	11111	1111	11111	11111	11111		11111	3 -	5 -	25	
it. George's North E.L. it. John, St. George East W - E.L.	88747 8410	27 4	10	4 -	2 -5	1	-	-	-	-	7-	-	-	2 -		2 -	5	1 -
Shadwell HH - E.L. N.R. Rateliff E.L. Limehouse E.L.	10898 16107 82041	9 8 14	6 1 13	3 - 2	- 1	111	1 1 1	-	1	1	1 1, 1	1		1 2	1	1	5	
Mile End Old Town West E.L. Mile End Old Town East WwwH- E.L.	37960 67653	31 43	8 25	5 6	5	-	1.1.	-	ĩ	-	-	-	7 7	3	ī	ī	8	ī
Bow $L$ - $-$ - $-$ E.L. Poplar $WWH$ - $-$ - E.L.	87074 64359 55077	27 44 32	9 26 14	1 6 3	3 7 7		1.1.4	-	-	1	1 1 1	-	111	ī	1 1 1	1 1	13 2	-
SOUTH DISTRICTS.   Christchurch Southwark   WH   I. & S. St. Saviour Southwark   - S. & L.	14999 21381 15953 21318 26672 59555 21628	7 9 12 10 18 21 39 18	2 3 4 9 8 7 18 6	1 - 2 2 4 8 6 -	1 1 1 2 4 1	1111111	3 (1) 1 (1) 1 (1)	1118111	1	1	1111111	1	1111111		1 - 1 - 1	1 2 1 1 1	3 1 -	
St. Olave WH S. Leather Market S. & Le St. Mary Magdalen W - S. St. James Bermondsey - S. Rotherhithe WH S. & K.	11956 16300 15669 54682 36024	14 11 18 36 23	25 3 8 5 17	4 1 1 1 4	4 - 2 2 3	1111			2	1	11111	11111	1111	1 2 -	2 - 1 - 3	3 - 8	19 1	11111
Waterloo-road 1st # - L. & S. Waterloo-road 2nd # - L. & S. Lambeth Church 1st # - L. & S. Lambeth Church 2nd # W - L. & S. & L. Kennington 1st - S. & L. Kennington 2nd - S. & L. Kennington 2nd - L. & S. & L. Korwood W L. & S.	15195 16351 19876 39859 45282	7 22 13 27 36 27 36 10	5 4 18 17 13 9 17	3 2 4 1 3 6	1 4 2 3 - 3 1	1111111111	2	1111111	1 7 1 2 -	-	1111111111	11,1111111	11111111	1 - 1 1	1 1 1 1 1 6 1 1	6 1 2 -	11 5	1 - 1 2 2 1 -
East Battersea	54675 52587 36380 28004 13235 25553	46 54 20 28 8 27	21 25 14 10 8 6	74-11	2 9 4 2 3 8	111111	115777	111111	1 1	- 8	11111	111111		2 - 1	1 1 1 - 1 -	8 1 1 1	8 -	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5590 59104 71089 50810	81 43 46	38 31 17	7 13 8	10 7 1		2	1111	ī	1			1111	1 4 2	1	2 1	14	1 -
St. Paul Deptford asso 'K. St. Nicholas Deptford K. Greenwich West H K. Greenwich East WHH K.	76752 7901 21972 24608	59 5 17 22	20 8 6 21	7 1 1 4	1 11	1 1 1 1	1111	2	1 - 1	1 -	1111	1111		5	1 - 1	1 - 1	3 - 15	1
Eltham $H$ K. Lee $H$ K. Lewisham $WH$ K. Sydenham $H$ L.	5048 21559 19865 26076	8 22 15	1 8 14 5	1 4 4	- 2 4 1		1.1.1.1			1111	1111	1111		1	1 -	1 -	3	1111
Charlton H K. Woolwich Dockyard K. Woolwich Arsenal HH K. Flumstead, West H K. Flumstead, East W K.	10930	10 7 11 11 19	2 4 4 8 5	1 2 1	1 1 1		11771		11111	11111	11111	11111		1 2	11111	11111	1 2	11111
Winchmore Hill w		=		-	-		171	=		-		=	113	111			-	- 1 -

The following WORKHOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the bove Table by w:-

Marylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum in Tottennam Court-road sub-district.
Holborn Infirmary in Upper Holloway sub-district.
I Upper Holloway sub-district.
Hickorn New Town sub-district.
Whitechapel "Hoxton New Town sub-district.
Mile End Old Town Eastern sub-dist.
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Stepney Workhouse in Bromley sub-district.

Poplar & Stepney Siek Asyum
Westminster Union Industrial School in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.

Metropoitan Asyum District Hospitals in Fulnam, Hampstead, Heekney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION; BIRTHS and DEATHS registered during t

			V	Veek	endin	g Sat	urday	, <b>31</b> s	t Au	gust,	1889	•						3
Regis-		Area		1	1	T			The I	PRATHE	regist	tered li	n the	Week	inelud	8		.7
tration District		Acres,	Enume-		1.	Dea	ths of				Death	s from	1					100
and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS,	including Tidal Water and Foreshore.	Popu- lation, 1881.	BIRTHS.	· DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Public lustitutions.	Uncertified Causes
LO	NDON - OUTER RING	370,924	950,957	843	337	118	80	-	3	5	8	9	4	31	14	23	40	
30:1 2 37:1	Carshalton wL Epsom (part of)* WwH Godstone (part of) * -	12228 9971 2754	21118 10710	18 7	7 4	4 2		1 1 1	-	1	1 -	1 -		1	1 1 1		7 1 1	
38:1	Croydon WwHHL -	20851 11697	101241 17982	68 13	28	13 1	7	-	-	,	-	1	-	1 .1	1	2	8	
89:1 2 3 4	Wimbledon HHH - Kingston WHH - Esher (part of) * Hampton H -	8220 8549 6601 4573	15950 36354 9221 18539	11 24 4 10	4 10 2 3	3 1 1 3	2 -	1 1 1 1	1.1.1.1	-		1 1 1 1	-	1	1 - 1	- 1 1	- 21 -	
40:1 2 41:1	Richmond WH Mortlake Bromley (pt. of) * HH	2272 2941 15669	21302 12331 81142	14 12 25	3 2 14	1 3	1 - 8	-		7 1 1		1	-	- - 4	- 2	- 2	3 -	
2 42:1 2	Chishrst(pt.of)* WHH  Bexley H  Dartford (Ww, pts. of)*	14807 18437	15844 24184	18	6	3	1	-	7 1	-	1	2 -	-	1 1 1	-		4	-
124: 1	Sunbury w Staines W	11088	11685 12089	12	2 6	1	1	-	-	-	-	1	-	-	-	-	-	-
125:1	Hillingdon WHH - Uxbridge Hayes wHL	6029 6178 14587	10802 5225 11528	9	2 5	1 1	1 1 2	-	1 1	-	1	1 -	-	-	-	-	2	1
126: 1 2 3 4	Isleworth WHH  Twickenham H-  Brentford HL -  Chiswick  Acton wH -	7008 2477 4345 1340	22727 12479 27649 15975	17 4 20 14	11 2 9 4	1 - 5 2 8	8 2 3 -		-	1 -	1 -			1 1	1 -	2 1 - 3	1 -	I . L. d
127:1 2 8	Harrow H Edgware H Willesden	6088 13809 6994 4383	22876 12796 3749 27453	29 14 2 40	5 - 20	2 - 11	1 - 2	-	1		1.	1	1	2 - 2	- 1	1	-	1
187:1	Hendon W Bushey Watford (W, pt. of) * -	9331	10484 6621	14 4 -	5 1 ~	3 1 -	1 -	-	-	-	-	-	-	-	-	-	-	-
128:1 2 3 135:1	South Mimms Barnet	15599 5433 4688 8306	6391 10092 17615 583	2 12 10	3 3 13	2 2 -	1 2		1	-	1 1 1			-	1 1 1	1 1 1 -	1 9	1
129:1 2 8 4	Hornsey H Tottenham H Edmonton Ww ‡ - Enfield WH	3039 4842 7483 12653	87078 46456 23468 19104	34 72 14 22	2 17 9 7	1 4 1 2	3 1 2	-		1	1 -			2 1 2		2	1 8	an Levelanda
5 6 186:1	Waltham Abbey Cheshunt Stratford	11017 8480 882	8368 7735 38606	2 8 88	1 4 12	1 2 5	1	-	1 1	-		-	-	1 1 8	1	1	1 1	In to Los
2 3 4 187:1	West Ham wwwwH\{\sigma}-\text{Leyton Ww\(\mathbb{L}\) Walthamstow H - Chigwell (part of) * H	7351 4372 6580	101053 82430 28869 9689	38 44 3	33 21 10 2	14 8 3	7 2 1 1	-	-	1	1 -	-	1	8 1 -	2 -	92 1 1	2 -	0, 1 t. 10
189:1	Epping (W, pt. of)* - Romford (part of) * W Ilford	6730 8493	- 3411 7645	1 9	1 ŏ	- 1	-	-	1		-	-	1 1 1	, ,	- 1	- 1	1	1 1 1 1
3	Barking Town	4127	9203	10	5	4	-	-	-	-	-	-	-	-	-	-	-	-

<sup>\*</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow: 80 : 2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37 : 1, the parishes of Warlingham and Farley in Godstone subdistrict; 39:3. Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parishes of Cudham and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135: 1, the parish of Northaw in Hatdel sub-district; 187: 1, Chiswell sub-district, except the parish of Theydon Bois (pop. 875); 189: 1, the parish of Dagentum in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42 . 2, Dartford, 187 : 2, Watford, and 187 : 1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

<sup>‡</sup> Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winehmore Hill (see Table 5). § Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

Table 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 31st August, 1889.

			ANNUA	LRATE			The DE	ATHS	regia	tered	in t	he W	eek i	nolude	3	
0	Area in Aeres,	Estimated	of Mor	TALITY living.	DEATHS	Deat	hs of			1	eath	s from	n			Public ions.
GREATER LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under l Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhos.	Violence.	Deaths in Pulastitution
Cols.	1.	2.	3.	4.	5.	6.	* 7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
EATER LONDON	448,334	5,642,015	14.8	2.1	1600	449	348		15	22	40	30	16	109	65	375
INNER LONDON - OUTER RING -	77,410 370,924	4,351,738 1,290,277	13.6	2.1	1263 337	331 118	288 60	-	12	17 5	32 8	21 9	12 4	78 31	51 14	335 40

OTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

Table 8.—Births and Deaths, and Rate of Mortality in estimated Aggregate Population of

Foreign Cities, having an Persons.

					1		Dn	ATTI	FROM	PRING	TPAT.	ZYMO	ric
5							DE	ATHS	D	ISEAS	ES.	LAIGO.	_
CITIES.	Population (enumerated or estimated).	DATE OF RETU	- 1	BIRTHS.	DEATHS. f Stillborn.	ANNUAL DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Discrete Diseases.
	400.010	July	13		_	-	<u>.</u>	-	_	-	-	-	-
ALCUTTA	433,219 773,196		30	297	519	29.7	1	3	9	, 'u	2	143	98†
ADBAS	398,777	<b>27</b>	5	340	302	39*3	-	25	9	-	5	76	3 50
		39			929	21.4	2	9	4	35*	7	30	126
ARIS	2,260.945	August	24	1197	156	17.2		2		_	1	2	80
RUSSELS ith 8 Faubourgs.)	471,606	<b>33</b> .	24	276	100	, 1, 4							00
MSTERDAM -	403,083	99	24	269	153	20.0	-	3	1	3	1	1	23
COTTEBDAM -	197,728	33	24	129	80	21.0	-	3	-	-	1	1	2
- SUBAH RED	153,440	19	24	88	64	21.7	7 -						
COPENHAGEN -	307,000	v	24	213	129	21°9	-	-	-	7	4	3	24 18
TOCKHOLM -	228,218	39	17	141	81	18.2	-	-	3	2		1 3	18
CHRISTIANIA .	138,300	99	24	42	54	20.2	-	1	- 1	5	1		
T. PETERSBURG	842,883	33	17	-	475	29.4	-	21	4	2	2	17	108
BERLIN	1,489,672	,,	10	843	570	19.9	-1	3	8	15	.6	1	144 37
HAMBURG (State)	675,276	99	17,	390	202	18.3	-		1	6*	1	3	30
DRESDEN	264,196	93	17	160	107	21.1	?	4		4* 3*	2	3	28
BRESLAU	315,000	33	24	221	169	28.0	-	1	4	3*	1	-	61
MUNICH	281,000	93	17	233	185	34.2		1	3	3		1	56
VIBNNA	811,434	33	17	502	310	19.9	5	1	5	4	4		.8
PRAGUE	304,356	33	17	-	141 243	27.9	-	2	8	13		11	36
BUDA-PESTH -	452,907	29	17	360	58	19.1	1	-		1	-	-	12
TRIBSTE	158,084	33	17	-		10 1			_		_	_	
Rome	404,449	July	6		oho.		1	20			5	5	57
TUBIN (11 days)-	306,398	17	31	290	272 102	29.5	6	3	_	100		3	18
VENICE	153,375	August	10	88							4	28	192
CAIRO	374,838	23	1	335	466	64.9	3	1	_	1	-9	6	62
ALEXANDRIA -	231,396	**	1	184	193	43.2	. 4		-	_			207
NEW YORK .	1,571,300	23	10	-	838	27.8	-	3	3	17	14	10	63
BROOKLYN -	814,505	27	10	-	349	21.8	-	1	3	6	2	27	75
PHILADELPHIA -	1,040,245	,,,	10	-	492	24.7		1	-	_		3	58
BALTIMORE -	500,343	1)	10	•	230	24.0	1	-	1			ŭ	

<sup>\*</sup> Including deaths from croup. † Including 34 deaths from cholera in Bombay.

Table 9 .- METEOROLOGICAL OBSERVATIONS taken at the Royal Observatory, Greenwich, during the Week ending Saturday, August 31st, 1889.

	,-	=											_							
			Ozone			0.0	0.0	0.0	4.0	1.0	30.	1.5	7.6	8; no	r, are	num e sir	aphie	nent and	and the	The and
	Rain	collected in a	whose receiving	surface is 5 inches above the Ground.	in.	00.0	00.0	00.0	00.0	00.0	0.00	Sum 0.00	26	vel of the sea; no	mometer a a discu	e corrected mean reading eadings of the maximum femperature of the air flumidity are deduced as hy Claisland.	photogra	sal move 875. higher,"	two feet below Deptford, and lions from the	ometer.
				Departure from Average of 16 Years.	Miles.		38	+ 74	- 57	-160	-139	Sum -312	25	n level o	ulb ther seed fron or the ba	ings of taperature unidity	n of the	norizon ending 1 licates "	th of twiket at Distruction	g Electrierate; s
	so.		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	227	200	315	187	87	111	Sum 1375	24	el.	the wet booms dedu	ith the continuous the continuous tendence of the continuous tendence of the continuous tense of tense of the continuous tense of tense of the continuous tense of the continuous tense of te	discussio	d that of 16 years hat + inc	attle Man	registerin
	nometer	-	16	Mean of 24 hourly obs.	lbs.	0.0	0.0	0.3	0.0	0.0	0.0	:	23	t above	r, and correct urs end	rs. Walnean oly valued de	rom a	or the nind t	eign Carket,	s self- weak
	m Anen		Pressure on the Square Foot.	Least, b	lbs. 1		0.0	0.0	0.0	0.0	0.0	:	223	159 fee	ometer on of	nomete seted n n dail ture a	ived fr	cords f	re susp ne For	omson'
	sed from		Pressu Squa	Great.	lbs. 1		0.5	2.5	0.0	0.0	0.0	1:	21	ter is	therm plicati e twer	therm e corre e mea empera	at der	tric re	s of the	negativ
	Wind as deduced from Anemometers	Osler's.	ection.	P.M.	W & Water		WSW.&SW.	SW. & SSW.	SSW. & S.	SSW.& SW.	NE. & E.		20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken if 90, A.M.: noon: 30, P.M.: and 90, P.M. The means at the contraction of the contractio	eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thromeans of the converted into mean additional and the application of corrections deduced from a discussion of of the photographic records made during the twenty years ending 1873 for the barometer, and	the driving the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air downers. The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glasbase Hermon.	etrical Tables.	problems have an experienced until the zoly general content above and that of nonzonnal movement of the air from a discussion of the anenometric records for the 16 years ending 1875.  In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and — "lower," than the average.	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the	Corporation to London.  The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols, employed are:P. positive; N. negative; w. weak; m. moderale; s. strong; and
			General Direction.		-							SW.	1	orn of side to the	y valu ds ma	ter is eters, daily claily clais	re of	on of the same sage.	one one terred	ity is P. pc
ral.]				A.M.	1 WSW	WSW.&NW.	SW.&WSW.	SSW. &SW.	SSW. & SW.	Calm &	WSW. Calm		19	The height of the cistern rrection has been applied to Observations are usually to	the barom mean dail	thy years thermome thermomene mean daily val	emperatu	discussion discussion the aver	The thermometers in the wathe surface, at the end of one their readings are registered	Corporation of London. The record of Electric symbols employed are:-
er Roy	E.	Water	of the Thames at Deptford.	Low.	0. ;	:	:	:	:	:	:	:	18	ght of has b	into into	bulb timum (S). The	metrical Tables.	from a ling the	rmom ce, at t dings	cord o
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he Asti	TEMPERATURE		Radiation.	Lowest on the Grass.	0 37.1	41.3	38.0	44.3	43.4	42.0	45.0	41.6	16	COL	1	of the front of th	8 9		the	Sy a
ce of t	T			High- est in Sun's Rays.	0.115.0	105.2	114.5	134.2	187.1	126.6	120.2	4.131	15		Fine.		overcast	evening;		
tenden		Degree	midity (Satu-	ration equals 100).	76	200	64.	7.5	69	89	22	74	14	σå	oudless.		morning;	till		
perin	ween	rature	re.	Least.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	MARE	then cle		in mor	Partially cloudy	ughout.	
the St	ence bet	Dew Pc	nperatu	Great-	16.5	12.8	14.5	17.8	20.6	26.2	19.2	18.5	12	L RE	night;			artially	ss thro	ae day.
[Under the Superintendence of the Astronomer Royal.]	Differ	the Air Temperature	Ter	Mean daily value.	0 4.7	2.9	9.9	0.6	10.4	11.0	9.4	8.4	12	GENERAL REMARKS	ly till 1	cloudy	partially cloudy		cloudless throughout.	A very fine day.
_			Point.	Mean daily value.	46.8	47.5	1.09	8.09	53.4	55.5	20.00	21.8	10	CE	Partially cloudy till night; then cloudless.	Fine; partially cloudy.		at nigh	and	
	RE.		-	parture from Average of	0 - 1	4.9 -	- 4.1	6.0 -	+ 8.2	1.9 +	+ 2.8	7.0 -	6		Partial	Fine; p	Fine and afterwards.	A very fine day.	Very fine	Cloudless,
ı	TEMPERATU	150		Mean daily value.	54.5	54.5	2.99	29.8	63.8	2.99	1.99	60.2	90	above rizon, hours.	13.9	13.9	13.8	13.8	13.7	13.7
ı	TEMPI	Of the Ate	,	Daily Range.	20.5	14.4	6.77	22.2	28.0	35.6	58.3	24.5	7	red Sun 16, Ho 18. in						
ı	ı			Low.	44.1	48.7	45.1	49.9	20.1	48.6	22.8	48.5	9	Registered Sun above Sunshine, Horizon, in hours. in hours.	2.6	64	8.0	111.1	11.4	11.2
ı				High-	64.3	63.1	0.89	72.1	78.1	84.2	81.1	73.0	16			,		ion (		
	BARO-	Mean	reading (cor-	and re- duced to 32° Fahren- heit).	in. 29.722	29.913	80.077	80.019	30.023	29.022	29.956	29.92	4	ELECTRICITY. (For explanation of symbols, see Note.)				electrometer of in action out the week.		
		Phases		Moon.	:	New.	:	:	In Equator.	a 0		:	60	ELEC (For ex symbols				The electrometer was not in action throughout the week.		
				e F	25.	26	27	28	29	30	31				252	26	22	28	29	8
ı		1889.		Монти анд	AUGUST.	low.	UES	/BD	HUBS.	BI	АТ	[BANS	To. of Col	DATE. AUGUST.	DAT	NDAY .	. YAGES	NEBDAY	TREDAY.	. YAG

Cloudless till afternoon; cloudy afterwards.

Fine.

Sum 53.9

No. of Col. .

#### OFFICIAL COPY.

# WEEKLY RETURN

#### LONDON DEATHS IN AND BIRTHS

AND IN

# TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

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WEEK ENDING SATURDAY, SEPTEMBER 7. No. 36. 1889. Vol. L.]

Price 11d.

General Register Office, Somerset House, 9th September, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 16.2 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending					Weeks	ending	
Towns.	Aug.	Aug. 24.	Aug. 31.	Sept.	Towns.	·	Aug. 17.	Aug. 24.	Aug. 31.	Sept.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull - Leeds - Leicester* -	23·4 25·0 23·2 18·4 18·0 15·9 18·1 9·0 22·5 16·9 28·1 22·8	15·9 18·1 15·0 12·4 11·1 20·5 25·5 14·3 16·7 14·6 23·6	15·0 23·2 16·8 20·4 13·7 16·4 13·9 9·0 17·4 14·6 21·3 17·8	15.8 17.3 19.4 20.5 18.2 15.0 13.9 19.0 15.9 16.1 16.9 17.6 18.8 13.2	Norwich - Nottingham Oldham - Plymouth - Portsmouth Preston - Salford* - Sheffield - Sunderland		16·6 23·0 27·9 21·5 16·2 17·2 26·7 20·7 42·6 18·7 22·6	14·9 24·4 29·2 14·9 15·4 14·7 34·0 21·1 26·5 19·4 21·5 23·3		14·0 20·7 26·9 18·2 16·9 15·0 25·4 19·6 26·0 18·3

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.3 in Newcastle upon-Tyne, 1.6 in Sunderland, and 2.0 in Preston; from scarlet fever, 8.0 in Plymouth; from whooping-cough, 1.2 in Sunderland; from "fever," 1.1 in Bradford and in Norwich, 1.3 in Plymouth, 1.4 in Bolton, 1.5 in Preston, and 1.7 in Huddersfield; and from diarrhaa, 3.1 in Salford, in Sunderland, and in Leicester, 3·4 in Blackburn, 3·6 in Newcastle-upon-Tyne, 4·5 in Hull, and 5·0 in Preston. The 37 deaths from diphtheria included 30 in London, 2 in Liverpool, and 2 in Preston. No death from small-pox was recorded in any of the twenty-eight great towns.

LONDON. In LONDON 2373 BIRTHS and 1170 DEATHS were registered. Allowing for increase of population, the births were 373, and the deaths 282, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 16.6, 14.9, and 15.1 in the three preceding weeks, further declined last week to 14.0. During the first ten weeks of the current quarter the mean death-rate was 16.8 per 1000, and was 2.8 below

the mean rate in the corresponding periods of the ten years 1879-88.

The 1170 deaths included 9 from measles, 18 from scarlet fever, 30 from diphtheria, 28 from whooping-cough, 1 from typhus, 21 from enteric fever, 1 from an

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intergensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated and those for Newcastle-upon-Tyne and Cardiff over-stated.

N. N.

undefined form of continued fever, 68 from diarrhæa and dysentery, 3 from cholera and choleraic diarrhea, and not one from small-pox; thus, 179 deaths were referred

to these diseases, being 103 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 7; and no case of this disease was under treatment during the week in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had numbered 18, 9, and 12 in the three preceding weeks, declined again last week to 9, and were 15 below the corrected average; 2 belonged to Greenwich sanitary area. The fatal cases of scarlet fever, which had been 13, 16, and 17 in the three previous weeks, further rose last week to 18, but were 20 below the corrected average; 2 belonged to Kensington, 3 to Fulham, 2 to Bethnal Green, and 2 to St. Saviour Southwark sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1021 scarlet fever patients on Saturday last, against numbers increasing in the ten preceding weeks from 559 to 966; 121 cases were admitted to these hospitals during the week, against 90, 98, and 136 in the three preceding weeks. The deaths from diphtheria, which had been 37 and 32 in the two preceding weeks, further declined last week to 30 (of which 17 occurred in hospitals), and exceeded the corrected average by 13; 6 belonged to Kensington, 2 to Shoreditch, 3 to Bethnal Green, 4 to Newington, and 3 to Lambeth sanitary areas. The 28 deaths from whooping-cough showed a further slight increase upon the numbers in recent weeks, but were 7 below the corrected average; 4 belonged to Lambeth, 3 to Battersea, 4 to Camberwell, and 3 to Greenwich sanitary areas. The deaths attributed to diarrhea and dysentery, which had declined in the seven preceding weeks from 273 to 78, further declined last week to 68, and were 69 below the corrected average; 50 were of infants under one year of age, and 11 of children aged between one and five years. The deaths of 2 infants, and of one adult, aged 60 years, were referred to English cholera or choleraic diarrhœa.

The deaths referred to enteric fever, which had been 8, 11, and 12 in the three preceding weeks, further rose last week to 21, and exceeded the corrected average by 3; 2 belonged to Chelsea, 3 to Pancras, 4 (including one at 61, Cottenham Road, where 3 persons had been attacked,) to Islington sanitary area. The Metropolitan Asylum Hospitals contained 72 cases of enteric fever, and not one of typhus, on Saturday last; 7 cases of enteric fever were admitted during the week, against 11, 6, and 13 in the three preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 162, 115, and 148 in the three preceding weeks, were last week 142, and 25 below the

corrected average.

The death of a child aged 8 years occurred in St. Bartholomew's Hospital on 31st ultimo from hydrophobia, resulting from the bite of a dog two or three months

previously.

Different forms of violence caused 47 deaths, concerning all of which inquests were held. Of these 47 deaths, 8 were cases of suicide, while the remaining 39 were attributed to negligence or accident. Seven of these 39 deaths were caused by vehicles in the streets, 2 by burns and scalds, 7 by drowning, and 9 of infants under one year of age by suffocation.

The death of a female lead worker, aged 50 years, in Whitechapel, was the subject of an inquest, the verdict being "Found dead; exhaustion due to want of food."

GREATER LONDON.

In Greater London 3220 births and 1507 deaths were registered, corresponding to annual rates of 29.8 and 13.9 per 1000 of the estimated population. In the Outer Ring 33 deaths from diarrhea, 7 from "fever" and 7 from searlet fever were registered. Of the 33 deaths from diarrhea, 9 occurred in West Ham, 5 in Creydon and 3 in Stratford sub-districts. The deaths in West Ham sub-district also included 2 from "fever" and 2 from scarlet fever. Two fatal cases of diphtheria occurred in Mitcham sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.97 ins.; the lowest reading was 29.82 ins. on Tuesday morning, and the highest 30.12 ins. on Friday morning. The mean temperature of the air was 60°.5, and 0°.8 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Thursday and Saturday, whereas it showed an excess on each of the other days of the week. The general direction of the wind was N.E., and the horizontal movement of the air averaged 4.4 miles per hour, which was 6.5 miles below the average in the corresponding weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0.54 of an inch. The duration of registered bright sunshine in the week was 22.6 hours, against 20.6 hours at Glynde Place. Lower

· See note on first page of this Return.

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		on (A)	BONSCHES.		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	PORISMOUIR.	PLYKOUIH.	BRISTOL.	WOLVERBAMPION.	BIRMINGHAM.	LRICEETER.	NOTINGHAM.	DEREY.	LIVIEROUS.	BOLICK.	MANCESSIES.	SALFORD.	OLDHAM.	DESCRETEN.	HUDDEBSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	HETT	SHADERIAND.	NEWS ASTER.	CABDIFF.		EDINBURGH. GLAEGOW. DUELIN.
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	Ann	_	-	-	17.	16.2	14.0	15.0	19.6	75.4	13.0	14.5	17.3	13.5	16.9	15.9	2.81	20.2	20.1	18.8	15.0	19.4	6.91	16.1	18.5	18.8	14.00	0.77	9.07	0.61		12.7 21.2 18.6
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DEATHS, and METEOROLOGY IN 28		lo 8	sons aged Years upwards.	Per 60	5.	615	265	10	14	00	19	20	40	20	16	10	00 E	3 00	23	6	L.	7	10	ာတ	16	26	11	50	11	7		21 36 17
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TABLE 1.—BIRT	Registered during	the Week ending	BIRTHS. D		2.	5429	2373	65	88	550	140	45	245	74	105	70	90 110	200	238	140	70	99	7.0	43	115	234	213	199	20.	75	-	145 843 174
		Z	to the middle of the Year 1889.		1.	9,555,406	4,351,738	121,807	141,253	78,225	229,361	82,544	454,835	150,520	237,812	98,529	102,541	114,670	878,800	234,283	142,405	121,275	92.825	81,080	235,056	357,449	327,227	184.103	160 089	112,712	-	266,900 628,144 353,082
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		CITIES	AND BORUUGHS.		0	28 TOWNS	LONDON -	BRIGHTON .	PORTEMOUTE	PLYMOUTH .	BRISTOL .	WOLVERHAMPTON	BIRMINGHAM	LEICESTER *	NOTTINGHAM	DERBY	BIREENBEAD		MANCHESTER	SALFORD* -	OLDHAM .	BIACKBURN -	HUDDERSFIELD	HALIPAX .	BRADFORD	LEEDS	HULL	RT.AWI	NEWCASTLE.	CARDIFF	Do. was to the same of the sam	GLASGOW .  UUBLIN .

TABLE 2. LONDON. Births and Deaths Registered in the THIRTY-SIXTH Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1888	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females .	2646	2463	2513	2566	2434	2574	2330	2557	2619	2475	2745·5	2373
	1327	1232	1281	1264	1214	1334	1164	1318	1324	1234	1384·1	1215
	1319	1231	1232	1302	1220	1240	1166	1239	1295	1241	1361·4	1158
Total Deaths Males Females	1393	1391	1229	1322	1257	1529	1221	1312	1349	1316	1452·4	1170
	766	748	653	711	653	767	614	684	659	670	755·2	605
	627	643	576	611	604	762	607	628	690	646	697·2	565

The numbers in this column are the average weekly numbers in the thirty-sixth weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

THE RESERVE THE PARTY OF THE PA	-												
	June 15.	June 22.	June 29.	July 6.	July 13.	July 20.	July 27.	Aug.	Aug 10.	Aug.	Aug 24.	Aug 31.	Sept.
TOTAL Births	2396	2636	2467	2507	2306	2627	2376	2481	2180	2715	2358	2425	2373
TOTAL Deaths	1247	1243	1265	1350	1605	1556	1553	1532	1366	1382	1240	1263	1170
Ages at Death 0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - at 80 years & upwds.	564 178 227 286 47	575 180 218 225 45	572 179 232 229 53	722 168 221 205 34	902 151 232 257 63	908 164 197 245 42	898 166 228 212 49	850 161 209 261 51	739 139 222 216 50	727 160 202 235 58	628 140 197 223 52	569 172 235 240 47	535 151 219 216 49
y {Under 1 year - 1-5 - 5-20	293 184 87	281 203 91	315 189 68	429 208 85	617 196 89	631 197 80	599 216 83	555 193 102	468 195 76	447 195 85	387 163 78	831 156 82	306 141 88
Deaths from Small-pox  """, Measles	32 11 26 37 - 8 2 34 -	23 17 27 27 27 - 7 - 40 -	33 10 13 27 - 8 1 57 -	31 9 38 32 - 8 - 155 5	30 9 25 26 - 8 2 258 10	29 12 23 29 - 7 - 278 10	20 6 44 19 - 8 1 271 10	25 11 45 22 - 8 - 199 4	15 16 28 19 2 6 1 175 4	18 13 36 17 - 8 - 158 4 254	9 16 37 20 - 11 - 109 2	12 17 32 21 - 12 - 78 1	9 18 30 28 1 21 1 68 3
,, ,, Dis. of Respira- tory System ,, Phthisis - ,, Dis. of Circula- tory System }	169 162 106	171 155 123	169 137 99	143 138 94	158 127 117	141 136 102	160 150 91	182 126 110	149 128 93	162 185 111	115 139 104	148 149 93	142 184 95
Violent Deaths Inquest Cases Deaths in Public Institutions	109 290	105 324	90 314	90 280	129 356	43 83 348	60 113 314	70 115 325	65 114 320	108 319	56 98 279	51 93 335	47 86 327
TEMPERATURE OF THE AIR Mean Mean of Highest readings - Mean of Lowest readings -	56.8 64.0 51.7	59·6 72·4 49·7	64·1 77·1 52·1	63.3 74.6 53.7	63·0 72·9 56·2	58·7 69·9 51·3	58·1 67·7 51·9	64·9 76·2 55·3	60·4 72·8 52·0	59·3 69·7 52·5	57.8 68.1 51.1	60·2 73·0 43·5	60° 5 69° 1 55° 2
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	89 1·78 3·3	76 0·00 65·3	71 0·02 54·1	71 0·00 51·3	80 0·72 23·0	80 0·43 28·1	82 0·90 26·5	76 0·20 36·5	80 0·46 46·0		80 0·98 26·2	74 0·00 53·9	88 0·54· 22·6
itegistered building (in nours)									-0 0	200	20 2	33 3	22 0

### METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Smpson, Esq., Wrottesley, Wolverhaupton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.K.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq. Newcastle-on-Tyne,

TABLE 4. LONDON .- DEATHS Registered at several groups of Ages from different Causes in the

IABLE W. 2101				TH	IRT	Y-SI	IXTI	H W	eek	of the Year 1889.									
	the	. 3	In t	the	Weel h Se	k end	ling	1889.	1		for the	Sa	turda	n the	Wee h Sej	k en	ding ber l	889.	1
	for the					erson			-		s for		-	aths	of Pe	rson			-
	the 10 88.*				ne Ag	ges	. 1	: 1	-		the the				e Ag			-	-
CAUSES OF DEATH.	Avera ks of tl 1879-88			nder 20.		r 40.	or 60.	sr 80.	and	CAUSES OF DEATH.	Aver iks of 1879-2		U	nder 20.		er +0	er 60.	er 80).	Sud
CAUSES OF DEATH		GES.	-	0.		under	under				week	AGES,	-1	1		under	under	npdn	reare
	X X	L AG	-	6.	20°	and 1	and 1	and	) Years upwards		Corrected 36th Wee	ALL A	-1.	1-6.	-20°	and	and	and	~
	Corre 36th	ALL	0-1	1-6.	5-20	02	9	90	200		S =	4	0-1.		2	8	40	09 15	-
ALL CAUSES	1452.4	1170	306	141	88 1	151	219	216	49	Diseases of Organs of )	2.4	4	2	1	1	-	-	-	-
(Vaccinated) -	) (	-	-	-	-	-	-	-	-	Special Sense † 5		-				-	-		-
Small- Unvaccinated	7.0	-	-	-	-	-	-	-	-	Diseases of Circulatory System }	98.0	95	1	1	4	18	30	87	4
(No Statement	23.9	9	4	5	-	-	-	-	-	Chann	11.6	5	_	5	_	-	-	-	-
Measles Searlet Fever	38.2	18	2	14	1	1	-	-	-	Bronchitis	83·9 48·2	78 37	24 7 1	10	1 8	3 2	8	26	6
Typhus	0.0	1 -	-	-	-	1	-	-	-	Pleurisy Other Diseases of Respi-	19.0	18	1 5	2	3		4	1 3	1
Relapsing Fever't	0.0	-	-	-	-	-	-	-	-	ratory System}	10 0					_	_		_
Whooping-cough	34.5	28 30	1 1	17	2 15	-	-	-	-	Dentition †	9.1	8	4	4	-	-	-	-	-
Diphtheria Simple Continued and	2.0	1		10	-	1			_	Quinsy, Sore Throat † -	1.7 14.1 6.7	3 18 9	13	3	2 3	2 8	- 1	-	:
Ill-defined Fever -)	17.8	21	-	1	8	8	8	1	_	Peritonitis Diseases of Liver Other Diseases	32.2	21	5	-	-	1	7 2	8	-
Enteric Fever Cholera	3'4	3	2	-	-	-	-	1	-	Other Diseases of Digestive System -	29.7	26	6	-	1	6	_	11	
Diarrhœa, Dysentery -	137.4	68	50	11	1	1	1	4		Diseases of Lymphatic)									
Remittent Fever† Hydrophobia	0.0	1	-	-	1	-	-	-	-	System & of Ductless Glands †	1.7	2		-	-	1	-	1	-
Glanders	0.0	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-
Cowpox and Effects of Vaccination † -	0.0	-	-	-	-	-	-	-	-	Diseases of Urinary }	88.3	39	-	-	2	7	11	19	-
Venereal Affections -	14.1	12	7	-	-	3	2	-	-					-	-	-	-	-	-
Erysipelas	3.3	1	1	-		1		1 -	-	Diseases of Generative	4.8	6	1	-	-	1	4	-	-
Pyæmia and Septicæmia † Puerperal Fever	3.4	1	-	-	-	1	-	-	~	Accidents of Childbirth -	8.1	4	-	-	-	4	_	-	-1
Other Zymotic Diseases †	3.0	1	-	1	_	-		-	_	Diseases of Locomotive	7.5	6	1		4	1		-	-
Thrush	4.5	1	1	-	-	-	-	-	-	System †}			-		-	_		-	-
Worms and other Para-)	0.4	-	-	-		-		-	-	Diseases of Integumen-	5.9	4	1	-	-	-	1	1	1
sitical Diseases }			-		-	-	-		-	tary System S			-	-					-
Starvation, Want of Breast-milk †}	5.6	2	1	=	-	-	1	-	-	VIOLENT DEATHS.§									
Alcoholism	5.1	7	٠	-	_	4	2	1	-	(Accident.)									
Rheumatic Fever,	g. K				2	9	1			Fracture and Contusion	19.5	19	-	4	8	4	5	3 -	-
Rheumatism of Heart	6.8	3			2	2	1	1	1	Gunshot Wound Cut, Stab	0°4 4°0	2	-	ī	-	-	-	1	-
Rheumatism †	3.3	3	-		-	-	1	1	-	Burn and Scald Poison	0.9	7	-	-	3	1	2	ī	-
Rickets †	3.2	1	-	1	~	-	1	-	-	Drowning Suffocation Otherwise	9.8	10	9	1	-	-	-	-	-
Cancer	50.9	33	21	5	3	3	24	22	1	Other was		-	-	-	-	-	-	-	
Tabes Mesenterica - Tubercular Meningitis -	27.5	13	3	7	2		-	1	-	(Homicide.)									
Phthisis	154'5	134	2	4	10	54	58	6	-	Murder & Manslaughter	1.2	-	-	-	_	-	_		_
Scrofula, Tuberculosis - Other Constitutional		9	2	1	-	L	3			(Certains)									
Other Constitutional Diseases †	} 7.2	8		1		1	4		-	(SUICIDE.) Gunshot Wound Cut, Stab	0.7	- 8	-	-	-	-	2	-	i
Premature Birth	85'4	29	29	-	-	-	-	-	-	Poison	1.4	3 1	-	=	-	1	-	-	-
Atelectasis †	2.8	-	-	-	-	-	-	-	-	Hanging	1.7	3		-	-	ī	1	2	-
Congenital Malforma-	5	8		1	1	-	-	-	-	Outor wiso		-	-	-	-	-			-
Old Age	43'8	39		-			-	16	23	(EXECUTION.)									
Apoplexy	40.9	25	-	.   -	3	1 -				Hanging	0.0	-	-	-	-	-	-	-	-
Epilepsy	- 7.0	6	_					8	-				-						
Convulsions Other Diseases of Brain	- 50.9	31				1		22	3	OTHER CAUSES †	73°4	57	50	6	-	1	-		1
and Nervous System	75.0	75	1				3					1	1	1	)			1	
						-				on waare 1879_88 reised by 9	1040 man /	ane for	-	20000	OF DE	mula	tion		

59334.-10.

N N 3

TABLE S. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarles during the Week ending

													_			w ee	CH	
							The	DEA	THE	regist	ered	in the	Wee	kind	lude			
	Enume-			Deat	hs of					-	bs fr	om					ie	90
REGISTRATION	rated Popu-	HS	THE.	or 1	d 60			ar.		-eougn		Fever	Forer.			10	Publ	Uncertified Causes
SUB-DISTRICTS.	lation, 1881.	Вівтня	DEATER	under of Age.	s aged	pox.		Fever.	leria.	nng-		-	d Fer	DOBA.	166.	st Cases.	eaths in Pu	titled
	2002	Total	Total	Infants	Persons Years	Small-pox.	Measle	Searlet	Diphtheria	Vhooping	Typhus	Enterio	Simple o	Diarrhosa	Violence	Inquest	Deaths	noor
			-	=	Pe	-00		00	-	3		100	1				a_	F
rondon · · ·	3,815,704	2373	1170	306	265	-	9	18	30	28	1	21	1	68	47	86	327	11
WEST DISTRICTS	905,947	325 580	214 256	45 68	51 54	-	3	7 2	9	5 4	1	5 7	-	7	9	12	82 64	2 -
CENTRAL DISTRICTS	282,288	142	83	24	21 50	-	2	4	5	4	-	4 2	_	8	9	11 18	30 73	1
EAST DISTRICTS -	692,788	436 940	227 390	102	89	-	3	5	9	15	-	3	1	21	12	29	78	8
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON		-		-	-	-	-	-			-	-	-	-	-			-
WEST DISTRICTS.  St Mary Paddington WHH G.J. &W.M.	69888	39	18	6	2 2	-	-	-	1		-	-	-	-	- 2	1 2	7 9	-
St. John Paddington H - G.J.	120141	87	13	5	16		-	1	2	-	-	1		-	-	-	17 2	-
Brompton H W.M. & V.	48010 7899 64340	9	1 21	- 8	2	•	:	1 1	1	-	-	-	-	- 1	2	- 8	3	- - 1
St. Paul Hammersmith H W.M. & C.S. Fulham Www W.M. & C.	42900 0396	43 59 17	34	13	5	-	-	4	3 -	2	-	-		3	2	8	12	-
Chelsea North-west WHHHHH. C. Chelsea North-east	24925 32807	18 21	12 6	1	1	-	-	-	-	1	-	1	-	1	1 2	1 2	8 - 5	-
May Fair WW G.J. Belgrave WHHH C. St. John Westminster HHH - C.	80353 59220 85496	8 22 21	12 26 6	1 2	6 7 2	-	1 % 1		1	1	-	1	-	-	-	-	13	-
St. John Westminster HHH - C. St. Margaret Westminster H - C. St. James Westminster WHH N.R.&G.J.	24679 29941	9	6	3	1 1	-	-	-	-	-	_	-	-	1	-	-	1	1
St. Anne Soho HHHHHHHH - NR. NORTH DISTRICTS.	16608	7	6	1	2	-	**		-	1	-	-	-			-	1	
All Souls Marylebone HHHH - W.M. Cavendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M.	26759 14891	11 2	13 2 2	1	3 - 2	-	-		-	2	-	1	-	1	1 -	1	2 -	1 1 1
Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone HH - W.M.	24809 21118 33700	14 23 13	12	2 4 1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. John Marylebone R W.M. Hampstead Ways II N.R. & W.M	33638 45452	11 88	7 23	7	3	_	1	1	1	-	-	-	~	3	1	2	8	
Regent's Park Paneras H W.M. Tottenham-court wHHHH N.R.&W.M.	89115 27729 30247	17 17 14	6 18	2 2 1	3 4 1	-	-	-	2	-	-		-	-	=	1	17	
Somers Town H N.R. Camden Town WH N.R.	84369 17811	12	12 15	1 2 7	6 5	-	-		1 -	-	-	-	-	-	1 1 1	1 2 2	3 9	
Upper Holloway WWWH N.R.	87487 67946	48	25 25 11	6 5	6	-	1 -	-	1	1 -	-	2 2 1	-	1 3	-	1	6 12	,
Islington South-west HH - N.R. Islington South-east - N.R. Highbury H - N.R.	100976 61895 52048	56 38 39	14	3	2	-	-	-	-	ī	-	-	-	1	1	2	-	-
Stoke Newington H N.R. Stamford Hill E.L.	22781 9277	10 15	3 2 5	1 1 1	2	-	=	=	-	-	-	-	-	- 2	-	-	=	1 1 1
West Hackney $H$ N.R. Hackney $WwwwH$ E.L.a.N.R. South Hackney E.L.	37610 76911 39883	58 26	35 9	9	7	-	1 -	1	1 -	-	ī	1	-	2	1 -	3 -	9	-
CENTRAL DISTRICTS.  St. George Bloomsbury N.R.	16681	6	8	1	1	-	-	-	-	-	1	-		_		-	-	
St. Giles South WH N.R. St. Giles North N.R.	14864 13837	13	3	3 1	1	-	1	-	-	-	-	-	-	-	1	-	1	-
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	17508 7515 8559	9 2 2	11 1 3	1 1	2	-	-			-	-	-	-	7 - 1	1 1	2	5 - 3	
Strand Union Workhouse, Edmonton w. St. Geothe-Martyr HHHHHHH N.R.	18671	11	10	2	1	-	-	-	-	-	-	2		2	-	-	7	-
St. Andrew Eastern W N.R. Saffron Hill H N.R. St. James Clerkenwell N.R.	10706 6588 17516	7 3 10	2 1 5	1 4		-	-		-	-	-	=	-	î	1 1 1	1 1	-	-
Pentonville N.R.	19281 14773 17506	10 9 18	2 2 3	2	-	-	- 1	-		-	-	1 1	-	2	-	-	-	-
Old-street H N.R.	11541 18628	8	2 3	1	1	-	-	-	-	=	-	-		1	ī	1	-	-
Finsbury  Holborn Union Workhouse, Mitcham, w.	9217 7468	1 -	1 3	-	1 1 3	-	-	-	-	-	-	-	-	1 -	-	1	3	111
St. Botolph H - N.R.&E.L.	11174 7198	5 -	8	-	1	-	-	-	-	-	-	1	-	-	-	-	-	_
St. Sepuichre H - N.R. St. Bride W - N.R. Allhallows Barking N.R.	5858 8896 18666	2 2	9 4	1	2 - 1	-	7	-	1 -	-	-	1	-	- 1	1	2	9	
Broad Street H N.R.	5652	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse H-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving immates from other Districts than that in which it stands see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vaunhall; L. Lambeth; N. R. New River; E.L. East London and K. the Kent Company.

DIPETHERIA, WHOOPING-COUGH, FEVER, DIABRHEA, VIOLENCE, &c., registered in each Sub-district

							The	DEA	TAS I	agiste	red i	n the	Wee	k inel	ude			
	Enume-			Dent	hm of					Death	s from						0	22
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Intants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enterio (or Typhoid) Fever	Simple con-	Diarrhes.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes
EAST DISTRICTS.  iywell Shoreditch — N.R. & E.L. Leonard Shoreditch $HL^{\oplus}$ , — N.R. xton New Town $w = -$ N.R. xgeraton $WH = -$ N.R. & E.L.	7876 14967 29987 28086 46275	6 7 30 11 27	1 4 8 8 8 23	- 1 3 2 4	1 1 2 8	11111	1111	11111	1 1 1 2	11111	11111	1111	11111	1 1	8 + 1 + 1	11111	2 10	
cen, Bethnal Green WHL* - E.L. urch, Bethnal Green - E.L. wn, Bethnal Green - E.L.	29788 47982 29981 19810	29 21 25 10	9 32 3 6	6 5 1 4	9 -	-	1111	1	1 1	1	1111	1111	1118	2	1111	2	11	
italfields - E.L. & N.R. le End New Town W - E.L. & N.R. nitechapel Church H E.L. & N.R. odman's Fields - E.L. dgate - E.L. W.R. & E.L.	22585 15473 17490 9718 6102	12 17 9 7 5	1 13 22 - 2	5 1 - 1	1 2 4		11111	11111	1 1 1 1 1	11111	11111	1	11119	2 -	4	1 5 -	5 14 -	0 0 1 1 2
George's North E.L. John, St. George East W - E.L.	88747 8410	21 2	15 9	6 2	2 4	2	-	•	-	1 -	-		-	3 1		1 -	6	1 -
adwell HH - E.L. N.R. teliff - E.L.	10895 16107 32041	4 6 18	8 2 5	2 2 2	-	=		-	1 1 1	1		1 1 1		1 -	2	3	6	-
mehouse E.L. lle End Old Town West - E.L. lle End Old Town East WwwH-E.L.	87960 67658	28 41	9 16	3 7	1 6	-	-	1	-		-	1	-	- 1	1	1 -	4	-
w L 'E.L. omley www H E.L. E.L.	87074 64859 55077	17 48 40	5 20 6	3 5 2	7 -		1	111	-		111	111	-	1 1 1	1 2 1	2 2 1	14	
SOUTH DISTRICTS.  Saviour Southwark WH L. & S. Saviour Southwark - S.  South-road WH - S. & L.  Orough-road WH - L. & S.  inity Newington - S. & L.  Peter Walworth W - S. & L.  Mary Newington - L. & S.  Mary Newington - L. & S.	18668 14999 21881 15968 21318 26672 59558 21628	8 7 22 8 15 23 44 18	5 2 8 7 4 6 16 6	3 1 2 3 5 2	1 1 1 1 - 4 -			1	1	1111111	1111111	1111111	111111	1 1 2 1	1	1 1 1 1 1 1	7	1
Olave WH S. & L.  Anther Market S. & L.  Mary Magdalen W - S.  James Bermondsey - S.  otherhithe WH S. & K.	11956 16800 15669 54682 86024	5 9 12 46 28	16 5 - 9 11	3 2 1 4	3 1 - 2 1	111111		1 -		- 1	11111	1	8 8 8 8	1 -	- 2	2 2 1	13	8
Taterloo-road lat H L. & S. Taterloo-road 2nd H - L. & S. Ambeth Church lat H - L. & S. Ambeth Church 2nd WW - L. & S. Ambeth Church 2nd WW - S. The service of the ser	15195 16351 19876 39859 45232 35832 62837 19017	7 27 11 22 34 19 43 18	8 4 21 22 9 4 14 4	2 5 5 1 - 4 2	1 1 8 2 2 6 -	1111111	-	1111111	1 1 -	1 2 - 1	1111111	1		2 - 1	-	2 - 1 -	10 11 -	1
ast Battersea	54675 52587 36880 28004 18285 25558	46 59 17 27 6 21	11 28 4 6 2 8	8 8 1 1 1 -	3 7 - 3	11111		1		1 - 1	11111	-	11111	1 1	1	1 1 -	9	111111
ulwich L. & S. unberwell $W \omega L^*L^*$ - S. & L. ekham $W$ S., L., & K. George Camberwell - L. & S.	5590 59104 71089 50810	1 44 38 39	34 17 14	5 3 7	15 5 1		-	-		8		1		1 1	1	1 1	12	1
Paul Deptford ww 'K. Nicholas Deptford K. cenwich West H K. cenwich East WHH K.	76782 7901 21972 24608	51 5 12 22	26 1 7 14	5 - 1 2	1 1 2		2 -	1	1 2 -	1 2 -		1 4 1 1	1,11	1 1	1	2 - 2	2 - 5	1111.
tham $H$ $K$ , let $H$ $K$ , wisham $WH$ $K$ , denham $H$ $K$ .	5048 21559 19865 26076	8 16 20	2 6 7	1 3 2	1 3			1111		1 1 1 1	1111		1111	1111				1
tariton H K. colwich Dockyard K. colwich Arsenal HH K. umstead, West H K. umstead, Esst W K.	10980 17617 19048 14009 19241	7 12 11 13 36	1 6 5 5 15	1 2 1 2 3	- - 2 5		1111	171111	11111	11111		11111	1	1 -		1 2		- 1
letropolitan Asylum Hospitals: Dartford w	-	-	-	-	-	-	1-	-	-	-	-	-	-	-	= 1		-	

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the over Table by \$0:1
Marylebone Indirmary in Kensington Town sub-district.
Coutral London Sick Asylum. in Tottennam Court-road sub-district.
Robborn infirmary in Upper Hollowsy sub-district.
Holtoorn "Hackney sub-district.
Holtoorn "Mitechapel" Mitechapel "Mitechapel" Mitechapel "Mitechapel" Mitechapel Stephens Steph

TABLE 6 .- LONDON .- OUTER RING .- AREA: POPULATION: BIRDER and DEATHS registered during the

	DON DON.	JUTER		Veek	endin	g Sati	urday	7, 7tl	o : a Sep	temb	er, 1	and 889.	DEAT	rets t	'भ्राप्त	ere i	durir	ng th
Regis-		Area			1	i			The	DEAT	Hs re	ristere	l in th	e Wes	k inelu	ide		
tration		Acres,	Enume		1	Det	the of	1		The same of the sa	Des	ths fr	om			T	1.	
Distrie	REGISTRATION	inelu-	rated	_	HS.	-	60	76	!		1	1 4	1	1	Ì		olia	Causes
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	1 22	DEATHS.	under of Age.	aged of upwe			Payar				1	1	3868.	Public one.	d Ca
Num-		and	1881.	B	A	r of	10 8 8.	TOO.	1 88	t B	howie	ling line		. Jee.	306.	et C	ituti	ti fle
bers.	,	Fore-		1	1	Infants Year o	Persons Years &	Small-pox.	Measles.	Scarlet	Dinhthamia	Whoming	Kerer	Diarrhos.	Violence.	Inquest Cases.	Deaths in Put	Uncertified of Desth.
				-	-	1=	P4	02		- 50			_ =					
LO.	NDON-OUTER RING	370,924	950,957	817	337	111	86	-	2	7	- 3	3		38	9	11	49	3
80:1	Carshalton wL -	12228	01110	1 40		1.												
3	Epsom (part of)* WwH		21118 10710	10	16	1	2 -	-						1		_	11 8	
37:1	Godstone (part of) * -	2754	1235	-	-						١.				1 -	1.	1.	-
88:1	Croydon WwHHL -	20851	101241	58	28	12	10						1	5	١.	1		1
2	Mitcham w †	11697	17982	19	4	1	-	-	-	_	2	-	-	-	1 -	-	8	1
89:1	Wimbledon HHH -	3220	15950	14	6	8	1	-	-	-	-	-	-	-	-	-	1 -	-
8	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	21	11 2	3 2	4		-	-		_	-	1	1	1	8	1 -
4	Hampton H	4578	18589	18	4	1	2	-	-	-	-	-	-	-	-	-	-	-
40:1	Richmond WH Mortlake	2272	21303	18	5	1	-	-	-	1	-	-	-	-	-	-	1	-
41:1	Bromley (pt. of) * HH	2941 15669	12381 31142	24	12	4	6	-	1 -	-	-	-				-	-	-
2	Chishrst(pt.of)* WHH	14307	15844	15	7	1	1	-	-	-	-		-	1	-	_	1	-
42:1	Bexley H	18487	24134	29	4	2	1	-	-	-	-	-	1	-	-	-	-	-
124:1	Dartford (Ww, pts. of)*	7707	22.000	-		-	-		-	-	-	-	-	-	-	-	-	-
2	Sunbury w Staines W	11055	11685 12089	7	8 7	2	3		-	-		1 -	-	-	1 -	-	-	-
125:1	Hillingdon WHH -	6029	10803	9	3	" 1	1		-	-	-	-		1	-	_	-	-
2	Uxbridge   Hayes wHL	6178 14587	3225 . 11523	10	5 2	1	-	-	-	. =	1 2	-	-	-	-	-	-	-
126: 1	Isleworth WHH -	7008	22727	13	8	8	2 2	-	-	-			-	-		-	-	
2	Twickenham H-	2477	12479	6	1	-	-	-	-	-		-	-	-	1 -	1 -	1	_
8	Brentford HL Chiswick	4845 1840	27649 15975	20 16	7 8	1 2	3 8	-	-	1	-	-	-	1	-	-	1	-
5	Acton wH	6088	22376	15	6	8	-	-	-	1 -	-	-	1	1	1	1		
127:1	Harrow H	13809	12796	7	5	1	1	-	- 2		-	-	-	-	-	-		-
2 8	Edgware H	6994 4888	8749 27458	1 43	12	7	1 2	-	-	-	-	-	-	2	-	-	-	
4	Hendon W	8382	10484	10	8	2	-	40	_	-	-	-	-	2	_		_	
137:1	Bushey Watford (W, pt. of)* -	9381	6621	7	3	-	8	-	2	-	-	-	-	-	-	1	-	12
128:1	South Mimms	15599	6891	1	_	-		_	-	-	-	-	-	-	-	-	-	-
2	Barnet	5483	10092	4	5	1	2	-	-	1	-	-	-	-	_		-	
8	Finchley HL	4688	17615	13	5	2	1		-		-	-	-	-	-	-	8	-
185:1	Hatfield (part of) * - Hornsey H	3806 3039	588	-	- 1	-	-	-	-	-	-	-	-	-	-		-	-
2	Tottenham H	4642	87078 46456	27 45	9	1 2	3 4	-	-	-		-		1	1	-	- 1	-
8 4	Edmonton Ww ‡ - Enfield WH	7483 12658	28468	80	14	3	4		1-	1	-	-	1	-	. =	-	6	-1
5	Waltham Abbey	11017	19104 5368	21	6	8	2		-	-	-	-	-	2		-	-	-
6	Cheshunt	8490	7785	2	1	-	-	-	~	-	-,	-	-	-				
186:1	Stratford   West Ham wwww.H§-	882 7351	38606 101053	24	16	9	2	-	-	-	,	-	1	3	-	-	-	-
8	Leyton WwL	4872	82480	144	45 21	6	9 3	-	~~	2	-	1	2	9 2	1	1		1
4	Walthamstow H ~	6520	28869	38	11	4	1	-	-		-		-	-	1	2	5	1
187:1	Chigwell (part of) * H Epping (W, pt. of) * -	11761	9669	5	1	-	1	-	-	-	-	-		-	-		-	-
189:1	Romford (part of) * W	6730	3411	9	5	0	8		~	_	**	401			0	-		-
2	Ilford Barking Town	8493	7645	6	1	1	-	-	-		-	-	-		-		5	-
	Barking Town	4127	9208	13	2	-	1	-	1	-	-	-		-	1	1	-	-

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as foliow \* The parts of sub-district, except the parishes of Ashtead and Headley (pop. 1885); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parishes of Ashtead and Headley (pop. 1885); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parish of Calaban and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Cheisdeld (pop. 947); 157:1, the parish of Northaw in Hatfield also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holbern Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Street Union Workhouse and in Metropolitan Asylum Hospital, Winch were Hill (see Table 5).

§ Exclusive of deaths of London residents—a true Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 7th September, 1889.

		Area			L RATE			The Da	ATHS	regi	stered	l in t	he W	eek i	nelud	e	
	GREATER	in Acres,	Estimated		D living.	DEATHS	Deat	hs of		,	1	Death	s from	n			ublic ns.
	LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhos.	Violence.	Deaths in Pu
	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
GR	EATER LONDON	448,331	5,642,015	13.9	2.1	1507	417	351	-	11	25	33	29	30	101	56	376
	INNER LONDON - OUTER RING -	77,410 870,924	4,351,738 1,290,277	14·0 13·6	2.1	1170 337	306	265 86	-	9	18	30	28	23	68 33	47	327 49

NOTE.—The area of Greater London is 448,384 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 20 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,657,164 Persons.

			33	,,8		20,007,201	- 0200.	40.					
	D					Annual	DE	ATHS	FROM	PRING DISEAS:	ES	ZYMO:	
· CITIES.	POPULATION (enumerated or estimated).	DATE OF RETU Week on	JBN.	BIRTHS. Exclusive o	DEATHS. f Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
CALCUTTA	433,219 {	July	13		215 219	25 8 26 3	- 1	1	-	1	-	80 75	35† 39†
BOMBAY	773,196	August	6	327	492	28.1	3	6	9	3	9	140	72
MADRAS	398,777	July	12	298	274	35.7	-	21		-	-	69	60
PARIS	2,260.945	August	31	1008	904	20.8	6	13	. 3	18*	11	22	121
BRUSSELS · · with 8 Faubourgs.)	471,606	29	31	246	178	19.6		2	-	***	1	1	32
AMSTERDAM -	403,083	. 25	31	269	142	18.4	-	1	-	3	4	-	-
ROTTERDAM .	197,723	99	31	135	86	22.2	-	4	-		1		2
THE HAGUE .	153,440	99 .	31	92	51	17.2	-	~~	~	- 100	2		
COPENHAGES -	307,000	92	31	191	111	18.9		ALC:	1	8		2	15
STOCKHOLM -	228,218	,,	24	124	76	17:3			5	-	1	-	23
CHRISTIANIA -	138,300	20	31	61	33	12.4	-	-		7	1	2	4
St. Petersburg	842,883	. 33	24	-	437	27.1	-	23	7	3	1	16	92
BERLIN	1,489,672	29	17	878	566	19'8 -	-	2	4	16	5	10`	139
HAMBURG(State)	575,276	33	24	403	244	22.1	-	1079	1	4*	6	11	53
DRESDEN	264,196	. 99	24	164	109	21.2	?		1	4*	3	1	28
BRESLAU	315,000	2)	31	243	161	26.7		-	1	4*	1	2	26
MUNICH	281,000	55	24	234	153	28'3	-	***	4	2*	- ton		56
VIENNA	811,434	59	24	498	329	21.1	-	-	1	4	4	. 2	61
PRAGUE	304,356	55 .	24	-	112	19.0	2	1	5	1	1 3	1	42
BUDA-PESTH .	452,907	23	24	318	230 .	26.4	-	_	5	12		15	13
TRIESTE	158,084	33	24	-	80	26.3	-						
Rome	404,449	July	6	227	193	24.9	-	5	1	3	1	10	53
Turin (11 days)-	1	August -	10			-		-	7.7	-		~	-
VENICE	153,375	39	17	107	75	25.5	3	-	-	1	1	4	12
CAIRO	374,838	. ,,	8	339	344	47.9	1	4	-	1	4	22	185
ALEXANDRIA -	231,396	19	8	175	193	43.2	1	-	1		400	9	61
NEW YORK -	1,571,300	29	17	-	751	24.9	-	1	-	22	12	15	156
BROOKLYN -	814,505	22	17	-	374	23.4		-	1	19	7	4	52
PHILADELPHIA -	1,040,245	33	17	-	389	19.5	-	-	4	7	2	18	61
BALTIMORE -	500,343	29	17	•	193	20.1	-	-	2	1	1	8	50

<sup>\*</sup> Including deaths from croup.
† Including 17 deaths from cholera, in each week, in Calcutta, 18 in Bombay, and 1 in Madras.
‡ Including 6 deaths from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, September 7711, 1889.

4*										1etec	proto	gw	at Oos	servan	0768.						
	-	Ozone.	-	3.5	2.0	2.0	0.0	0.0	0.0	0.0	1.2	27	a; no	r, are r, and	imum le air luced	aphic	" and	below and the	The ;	show to the	.04 in.
	Rain	in a Gauge whose	surface is 5 inches above the Ground.	in. 0.00	62.0	0.52	00.0	00.0	00.0	00.0	Sum 0.54	26	f the se	momete a discu aromete mean re	the maxing of the are declered	photogr	875. higher,	ro feet leptford	ometer.	rument,	sek to 30
١			Departure from Average of 16 Years.	Miles.	-111	-233	-204	-190	-113	-150	Sum -1084	25	n level o	ulb ther iced from or the borrected	ings of tapperatument of the control	n of the	ending licates	th of tw rket at I structio	g Electrierate; s	Sunshine Instrument, shown nderstood as applying to the	of the we
	- m	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	145	22	22	74	153	611	Sum 743	24	e the mearel.	the wet b tions dedu ling 1873 f	of the read ue of ter egree of h nometers	discussiond that of	that + inc	at a dep Jattle Mai under ir	registerir; m. mod	kes Sunsh e underst	the 3rd
ı	nometer	9	Mean of 24 hourly obs.	0.0 0.0	0.0	0.0	0.0	0.0	0.1	0.0	:	23	sea lev	r, and correct ars ence	ly val	rom a	for the	pended reign ( arket,	's self weak	ill-Stok	t the l
ı	m Anen	Pressure on the	Least, h	lbs. 1	0.0	0.0	0.0	0.0	0.0	0.0	:	22	159 fee uce to n: 3h.	ion of nty ye	ected rain dai	rived f	cords ne in	tre sus he For	ve; w.	Campbell-Stokes och day.	98 in. a
ı	nced from	Pressu	Great.	1.3 1	1.6	0.0	1.0	0.3	1.4	0.2		21	eter is	thern pplicat he twe e therr	ne corrempe me	nat der	etric re	lames se of the rik of	om Th negati	the Con eac	om 29°
	Wind as deduced from Anemometers.	Osler's.	P.M.	E. & ESE.	E. & NE.	Calm.	N. & NNE.	N. & NNE,	NE. & ENE.	ENE. & E.	田	20	f the barom the readings	the dry bulk ues by the a ode during the	combined the forming the dew point to of the dry a	the air is th	the anemom	ter of the Thi of the jettic by the Cle	s derived from Thomson's self-registering Electrometer.	lerived from ht sunshine orological ob	midnight.
		General Direction.	A.M.	NE. & ENE.	Ē	Calm &		NNE. IN	NNE. & ENE.	NNE. & NE.	NE.	19	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no orrection has been applied to the readings to reduce to sea level.  Otherwoods are aroundly taken at 91, A.M.: noon: 31, P.M.; and 91, P.M. The means of the	oper-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1873 for the barometer, and during the twenty vears ending 1873 for the barometer, and during the twenty vears ending 1863 for the thermometers. With the corrected mean reading	of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humdity are deduced from the mean daily values of the dry and wet bulb thermometers by Glassher's Hygre-	nperature of	of the air from a discussion of the anomometric records for the 16 years ending 1875.  In reading the columns 9 and 25 it will be borne in mind that + indicates "kighter," and  - "loneor," than the average.	The thermometers in the water of the Tunmos are suspended as a depto of two leet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptiond, and their readings are registered by the Clerk of the Market, under instructions from the	Orgopraton of Dillockricity is derived from Thomson's self-registering Electrometer.  The record of Electricity is derived from Thomson's self-registering Electrometer.  The record of Electricity is derived from Thomson's self-registering Electrometer S. strong;  The record of Electricity is derived from Thomson's self-registering Electrometer S. strong;	"The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the agreeged churstion of bright sunshine on each day.  The results of all the meteorological observations are to be understood as applying to the	civil day, or from midnight to midnight. The reguling of the barometer increased from 29:38 in. at the baginning of the week to 30:06 in. By 10b. A.M. on the 185; decreased to 29:82 in. by 9b. A.M. on the 3rd, increased to 29:32 in. by 9b. A.M. on the 3b.
[Under the Superintendence of the Astronomer Royal.]		ater ames ord.	Low- est.	· :	:	:	:	:	:	:	:	18	at of thas been	s of the	ulb thouse the The	age ter	om a d	at the	ard of nploye	bers ir	r from ing of t
nomer	TURE.	Of the Water of the Thames at Deptford.	High- I	• :	:	:	:	:	:	:	:	17	e heigh	erted je phote	e dry k minin mn 8)	metrical Tables. The average to	e air fi readii	e thera	oration in the record in the r	aggreg	day, one read
Astro	TEMPERATURE		Lowest Foundation on the Grass.	0.4	48.0	51.5	6.09	48.4	45.0	43.0	47.7	16	Th	eye-r conv of th	and (colu	The The	of the	the the	Sym	the	eivil by T
s of the	TE	Of Radiation.	High- est in Sun's Rays.	0 8.231	6.011	0.801	107.4	76.4	8.77	1.501	6.901	15		generally	ne till 18 with	n early at and	h. P.M.	fog at	e with	dy and	=
ndence	-	Degree of Hu- midity		83 1	92 1	99	84 1	96	77 1	86 1	88	14	ro.	and ge	cloudy and fine till Thunderstorms with	under i	about 8	h slight	ery fin	lly clou	
oerinte	reen	nture D	Least.	0.5	0.5	0.0	6.1	0.0	0.0	0.0	0.3	13	GENERAL REMARKS	fine	cloudy Thun	A.M.	at and fine w	evening; cloudless with slight	and foggy in morning; very fine till afternoon; afterwards cloudless.	partia night.	
the Su	nce betw	the Air Temperature and Dew Point Temperature.	Great.	0 15.1	10.3	2.3	10.3	4.0	18.5	13.5	11.11	12	L RE	; very	in early morning; overcast afterwards.	ghtning at 6h,	hunder; very	; oloudi	in mor	I noon	
Inder	Differen	the Air and I	Mean daily value.	0,0	2.4	0.5	4.8	1.1	7.3	4.5	3.6	11	NERA	morning;	arly meast after	with li	istant to norning st after	vening	foggy i	cast til	
2]		Of the Dew Point.	Mean daily value.	0 22.4	29.0	61.3	6.99	9.49	52.8	2.4.2	26.9	10	GE	t in rafterwa	t in es ; overci n at nig	howers heavy	t in n	till	e and	lly over	
	E.		parture from	8.0 +	+ 1.4	+ 1.1	+ 2.0	8.0 -	8.0 +	- 0.1	8.0 +	6		Overcast in morn cloudless afterwards.	Overcast afternoon; heavy rain	Light showers with lightning and thunder in early morning; heavy rain at 6h, A.M.; overcast and glocomy with disky rain till h b w fine afterwards.	Lightning and distant thunder at and about 8h. P.N. Overcast in morning; very flae with haze till evening; overcast afterwards.	Overcast night.	Variable a	Generally overcast till noon; partially cloudy fine till evening; cloudless at night.	
	TEMPERATUR	S.	Mean daily value.	6.09	61.4	2.19	2.19	28.7	1.09	58.0	60.5	00	above rizon,	10.01	13.4	13.4	13.3	13.2	13.2	18.1	Sum 93.1
	FEMPE	Of the Air.	Daily Range.	9.81	15.3	6.01	10.1	8.9	17.4	17.6	13.9	1	ed Sun e, Ho s. in l								
		0	Low- est.	0 54.1	0.22	58.5	6.49	26.4	6.72	51.3	22.52	6	Registered Sun above Sunshine, Horizon, in hours.	2.9	0.8	0.0	63	0.0		1.4	Sum 9.77
			High-	2.2.7	70.3	4.69	9.89	63.2	20.3	6.89	1.69	120					ion (				
	BARO-	Mean daily reading	rected and reduced to 320 Fahren-heit).	in. 30.010	29.850	29.843	20.62	30.021	30.08	29.952	29.972	4	ELECTRICITY. (For explanation of symbols, see Note.)				The electrometer was not in action throughout the week.				
			Moon.		First Or.		:	Greatest	Dec. S. Perigee.	:	:	000	ELE (For ex	1			The ress not through				
				1 19		-	4		9	12	1.	1.		-	61	0)	4	7.5	9	E-0	
		1889.	Монти Анд Дат.	SEPTEMBER.	Mow.	TUES.	WED.	THURS	FRI	SAT	MEANS	No. of Col.	DATE. SEPTEMBER.	SUMDAT	MONDAY .	CUESDAY .	FEDNESDAY	PRUBEDAY.	PRIDAT	SATURDAY.	

# WEEKLY RETURN

#### LONDON DEATHS IN AND

AND IN

BIRTHS

## TWENTY-SEVEN OTHER GREAT TOWNS.

# By Authority of the Registrar General.

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[Price 11d. WEEK ENDING SATURDAY, SEPTEMBER 14. No. 37. 1889. Vol. L.]

> General Register Office, Somerset House, 16th September, 1889.

## TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 16.7 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	Weeks ending					Weeks	ending	
Towns.	Aug.   Aug.   Sept.   Sept. 14.	Towns.		Aug. 24.	Aug. 31.	7.	Sept. 14.	
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull - Leeds - Leicester* -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5·0 26·7 20·9 14·2 13·3 18·0 16·2 13·2 27·0 15·7 18·1 17·4	Norwich - Nottingham Oldham - Plymouth - Portsmouth Preston - Salford* - Sheffield - Sunderland	e*	14.9 15.4 14.7 34.0 21.1 26.5 19.4 21.5 23.3	15·1 23·4 25·6 14·9 14·7 13·2 24·0 15·1 24·5 18·0 18·2 22·6	14.0 20.7 26.9 18.2	14·8 21·1 25·6 16·0 14·7 16·1 31·4 18·5 27·5 13·4 18·7 25·7

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.3 in Newcastle-upon-Tyne; from scarlet fever, 1.1 in Oldham and in Huddersfield, 1.4 in Bolton, and 8.7 in Plymouth; from whooping-cough, 1.1 in Huddersfield; from "fever," 1.0 in Preston and 1.3 in Nottingham; and from diarrhæa, 4.0 in Plymouth, 4.8 in Hull, 5.2 in Newcastle-upon-Tyne, 6.5 in Blackburn, and 7.5 in Preston. The 56 deaths from diphtheria included 41 in London, 2 in Manchester, and 2 in Derby. No death from small-pox was recorded in any of the twenty-eight great towns.

LONDON.

In LONDON 2432 BIRTHS and 1236 DEATHS were registered. Allowing for increase of population, the births were 285, and the deaths 180, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 16.6, 14.9, 15.1, and 14.0 in the four preceding weeks, rose again last week to 14.8. During the first eleven weeks

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated and those for Newcastle-upon-Tyne and Cardiff over-stated.

of the current quarter the mean death-rate was 16.6 per 1000, and was 2.8 below

the mean rate in the corresponding periods of the ten years 1879-88.

The 1236 deaths included 10 from measles, 17 from scarlet fever, 41 from diphtheria, 18 from whooping-cough, 19 from enteric fever, 2 from ill-defined forms of continued fever, 68 from diarrhea and dysentery, and not one from small-pox, typhus, or cholera; thus, 175 deaths were referred to these diseases, being 83

below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 6; and no case of this disease was under treatment during the week in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had numbered 12 and 9 in the two preceding weeks, were last week 10, and were 10 below the corrected average; 2 belonged to St. Giles and 2 to Greenwich sanitary areas. The fatal cases of scarlet fever, which had increased in the four preceding weeks from 13 to 18, were last week 17, and were 22 below the corrected average; 2, of a mother and child, belonged to Fulham sanitary The Metropolitan Asylum and London Fever Hospitals contained 1111 scarlet fever patients on Saturday last, against numbers increasing in the eleven preceding weeks from 559 to 1021; 151 cases were admitted to these hospitals during the week, against 98, 136, and 121 in the three preceding weeks. The deaths from diphtheria, which had been 37, 32, and 30 in the three preceding weeks, rose again last week to 41 (of which 17 occurred in hospitals), and exceeded the corrected average by 22; 2 belonged to Paddington, 4 to Kensington, 3 to Islington, 2 to Hackney, 2 to Strand, 4 to Bethnal Green, 3 to Poplar, 7 (including 2 in Prague Street) to Lambeth, 3 to Wandsworth, and 3 to Camberwell sanitary areas. 18 deaths from whooping-cough showed a decline of 10 from the number in the previous week, and were 15 below the corrected average; 2 belonged to Poplar, 2 to Newington, and 4 to Lambeth sanitary areas. The deaths attributed to diarrhæa and dysentery, which had declined in the eight preceding weeks from 273 to 68, were last week 68, and were 48 below the corrected average; 45 were of infants under one year of age, and 17 of children aged between one and five years.

The deaths referred to enteric fever, which had increased in the four preceding weeks from 8 to 21, declined last week to 19, and corresponded with the corrected average; 2 belonged to Hammersmith, 4 to Hackney, 2 to Whitechapel, 2 to Poplar, and 2 to Camberwell sanitary areas. The Metropolitan Asylum Hospitals contained 79 cases of enteric fever, and one of typhus, on Saturday last; 13 cases of enteric fever were admitted during the week, against 13 and 7 in the two preceding

weeks.

The deaths referred to diseases of the respiratory organs, which had been 148 and 142 in the two preceding weeks, rose again last week to 152, but were 29 below

the corrected average.

Different forms of violence caused 49 deaths, concerning all but 2 of which inquests were held. Of these 49 deaths, 8 were cases of suicide, while the remaining 41 deaths were attributed to accident or negligence. Two of these 41 deaths were caused by vehicles in the streets, 3 by burns and scalds, 3 by drowning, 3 (including 2 from plumbism) by poison, and 5 of infants under one year of age by suffocation.

## GREATER LONDON.

In Greater London 3215 births and 1551 deaths were registered, corresponding to annual rates of 29.7 and 14.3 per 1000 of the estimated population. In the Outer Ring 19 deaths from diarrhea, 7 from whooping-cough, 5 from "fever" and 4 from diphtheria were registered. Of the deaths in West Ham sub-district, 8 resulted from diarrhœa and 4 from "fever".

Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during August will be found on pages 379-8().

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30.02 ins.; the lowest reading was 29.92 ins. at midday on Sunday, and the highest 30.18 ins. at the end of the week. The mean temperature of the air was 63°0, and 4°8 above the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably below the average on Sunday, but showed an excess on each of the other days of the week. The general direction of the wind was South-westerly, and the horizontal movement of the air averaged 6.7 miles per hour, which was 4.9 miles below the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine in the week was 43.4 hours, against 52.2 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of August 1889; according to their returns 178,075,702 gallous or 809,079 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 236 gallons (107.2 decalitres), rather more than a ton by weight, to each house, and (assuming 7.8 persons to each house) 30.3 gallons (13.8 decalitres) to each person, against 29.9 gallons during August

2	Number of suppli		Average daily Sin Gal	
COMPANIES.	AUGUST.	AUGUST.	AUGUST.	AUGUST.
	1888.	1889.	1888.	1889.
TOTAL SUPPLY	741,399	754,464	172,869,385	178,075,702
From Thames	357,39 <b>2</b>	363,624	85,944,463	88,548,191
	384,007	390,840	86,924,922	89,527,511
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	34,6\$3	35,070	9,642,824	9,592,104
	70,486	71,971	15,724,078	15,760,082
	109,897	111,370	24,672,099	25,406,846
	54,632	55,617	17,291,962	17,725,159
	87,724	89,596	18,613,500	20,064,000
LEA AND OTHER SOURCES.  New River East London Kent	150,673	152,754	32,214,000	\$3,171,000
	162,402	165,581	41,923,584	43,597,343
	70,932	72,505	12,787,338	12,759,168

Note.—The Return for August 1889, as compared with that for the corresponding month of 1888, shows an increase of 13,065 houses, and of 5,206,317 gallons of water supplied daily.

# Analysis of Metropolitan Water Supply during August.

Water-analysis Laboratory, The Yews, Reigate, 13th September, 1889.

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of August.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years endirg December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.4, New River 1.1, East London 1.2, Colne Valley 1.3, Tottenham and West Middlesex 1.6, Southwark and Grand Junction 1.8, Chelsea and Lambeth 1.9.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was, again, as respects organic matter, of unusually good quality, even for this season, when the river is fed to a large extent by springs in the chalk and colite. Of the five Companies drawing from this source, the West Middlesex Company delivered the best water. All these waters were efficiently filtered.

The water abstracted chiefly from the River Lea by the New River and East London Companies was also of high organic purity, surpassing in this respect two of the deep-well supplies. It

was efficiently filtered.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a high degree of organic purity, the Kent supply being especially distinguished in this respect. All these waters were clear and bright, that of the Colne Valley Company was softened before delivery, and was thus rendered suitable for washing. 002

Seen through a stratum two feet deep, the waters presented the following appearances:—Kent, Colne Valley, Tottenham, and New River, clear and colourless; East London clear and nearly colourless; the remaining waters, clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied

to that city was "clear and yellowish green in a two two-foot tube."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

## RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

OR	COMPANIES LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES. Chelsea	August 26th.  Cab Rank, Horse Guards, Whitehall.	16.8	23.82	*095	021	0	145	*166	1.7	15.4
	West Middlesex -	August 26th. Cab Rank, Portland-road.	17.3	24.25	077	•018	0	158	176	1.7	17.5
	Southwark	August 26th. Cab Rank, Bricklayers Arms, Old Kent-road.	16.9	26.20	.086	.018	0	156	174	1.7	18.3
Inner Circle.	Grand Junction -	August 26th. Cab Rank, Uxbridge-road, near Marble Arch,	16.1	25.92	.083	.023	0	.175	*198	1.7	18.3
Inne	Lambeth	August 26th.  Cab Rank, St. George's- road, Southwark.	16.9	26.60	•092	.018	0	158	.176	1.7	18.0
I	LEA. New River	August 26th. Cab Rank, Tottenham Court-road.	16.4	28.18	*052	*014	0	.209	*223	1.8	19.1
ı	East London -	August 26th. Fire Brigade Station, Commercial-road, E.	16.2	27.88	.054	.018	0	208	*226	1.9	18.9
le.	DEEP WELLS.	August 26th. Mill Lane, Deptford.	12.7	43.60	•020	*006	0	.537	*543	2.7	28.6
Outer Circle,	Colne Valley	August 27th. Bushey.	-	18.74	.060	.016	.009	•404	*427	2.1	7.1
Oute	Tottenham	August 27th. Tottenham.	-	50*60	•080	.011	.017	•573	*598	3.4	25.7
Corp	poration of Birming-	August 14th. Police Station, Lady   Wood-road.	16.7	26.68	*150	*037	•001	154	192	1.6	14.2
Cor	poration of Glasgowt-	August 15th. Loch Katrine Water.	15.0	2.60	•141	.028	0	•004	.032	0.7	0.92
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
 Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 26th August at the Horse Guards cab-rank, had a temperature of 16°8 C.; 100,000 lbs. of it contained 23.82 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained .095 lb. of carbon and .021 lb. of nitrogen. The above quantity of water also contained no ammonia, and 145 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 166 lb. The above weight of water also contained 1.7 lbs. of chlorine; and 15.4 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

		CITIES	<b>ДИР</b> ВОКОИЧИЗ,	Cols.	- 28 TOWNS.	LONDON. BRIGHTON.	PORTSMOUTH. NORWICH.	PLYMOUTH.	WOLVERHAMPTON	BIRMINGHAM.	NOTITIVE AN	DERBY.	BIRKENHEAD.	LIVERPOOL. ROLTON.	MANCHESTER.	SALFORD.	OLDHAM.	PRESTON.	HUDDERSPIRED.	HALIFAX.	BRADFORD. LEEDS.	SHEFFIRED.	HULL.	NEWCASTLE.	CARDIFF.	EDINBURGH.	DUBLIE.
	PALE.		In Centi-	24.	0.15	00.0		0.16	0.10		0.10	9 1	1	0.12	,	8	1	1 1		1	0.52	1	1	0.63	-	0.02	0.18
	RAINFALL		'seqouI uI	23.	90.0	00.0	1 1	90.0	0.0		0.0	3 1	1 8	90.0	•					,	0.10	8	1	0.52	1	0.05	20.0
1889.	AIB.	sn.	Centigrade.	22.	68.91	17.22	1 1	16.56	15.28		6.00	3 1	1	44		1	•	, ,	,		15.94	1	8	15.33	1	15.06	15.39
mber,	OF THE	Mean	Fahrenheit.	21.	9.09	0.09	F 1	61.8 1			60.8	0 1		29.8		8		1 1	•			1	1	29.69		59.1	20.4
Septe	TEMPERATURE OF THE AIR.		heit Lowes	20.	46.1	46.1	1 1	45.6	0.65		K1 . 4	6 TO	,	8.6	,	1	1	1 1	,		53.1	1	1	0.09	1	43.9	1.69
14th	TEMPE	.31	Fahrenheit Lowes	19.	8.18	8.18	1 1		73.5	1 1	74.5		,	9.72.	1	,	,		ı		4.17	1	1	0.14		9.69	0.74
ending		eaths	From Diseases in Cols. 6-12.	18.	6.8	2.51	1.2	14.7		2.0		-	1.2	-	3.0	3.1	1.8	0.6	4.8	9.2	8.57	00.00		8.9	2.3	8.8	
Veek	Annual Rate per 1006, corresponding	to ti	From All Causes.	17.	16.7	14.8	18.9	91.4	18.3	15.0	14.7	13.5	13.7	6.03	1.13	18.4	1.91	27.2	12.4	0.22	14.5	18.1	18.1	25.6	16.2	1.91	24.2
the V		.dis	oblitteenU eU to seeusU	16.	89	133	1 1	63	1 1	FIG	2 1	Н	-	2 2		10	00 0	23 -	63	-	1 4		_	2 1	63		33
iring			Deathain Public Publication	15.	539	316	7	93 1	9	255	0 4	e 00	10 9	5 01	25	1	9	20 07	000	တ	4 11	6	70 (	n 0	4	22	3 %
rs, dı			Inquest Case	14.	217	101	00 01	0.3 r	9 63	12	1 0	0 1	-	25 23	13	4	41 1	ا دا		H	63 10	9	C3 :	رى دە دە	10	0.0	. 4
TOW	ade	-	Vlolence.	13.	120	Ø 1	- 1	8 0	3 03	0	4	P 1	1 8	23	00	1	-	e 0	1	,	- 00	4	01	oo 1	တ	10 1	- 69
MAR	The DEATES registered in the Week include		.amdrraid	12.	272	88 64	63 14	9	0 9	14	9 4	4 4	7	21	. 6	900	-	15	3 1	63	14	14	19	16	03	00 1	12
28 G1	ne We		Ferer.	ri	25	12	c3 H			-	1 4	0 7	-	10 1	-	7	1	1 6	1 1	Н	1 00	1	-		67	63 -	4 4
T in	ed in th	from	Whooping-	10.	45	00 1	1 1	-4 6	ı د	63 -	٦,	٠,	ı	c1 e,	-		1	1 1	63		03 03	000	67	1 1	1	47 0	0 1
0070	gister	Deaths from	Diphtheris.	9.	26	77		-	- 1	-	ı	1 67	1		٠ ،	9	ı	1	-	-	1 1	H	1	1 1	1	63 6	N I
TEOR	TES re		Scarlet. Fever.	00	72	17	- 1	13	1 1	9	1 -	- 1	г	00 m	4	1 03	63	- 1	63	ı	400	9 99	ā	63 1	ı	1	
ME.	he DE		Messles.	7.	9	10	1 1	8	-	4	1	1 1	1	63		1	Ħ	1 -		3	1 -	4 1	1	<b>61</b> 4		1 1	9 1
8, 80	1		.xoq-flam8	6.	1	1 1	1 4	ı	1 1	1	1	1 1	1	1	•	1 1	1	1	1 1	1	1	1	ı	1 1	1	1	1 6
DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 14th September, 1889.		le of	Persons aged 60 Years and upwards.	5.	614	282	19		20	23	12		-	25	9 0	9	7	6	77 -	11	16	22	22	00 1-	-1	23	83
RTHS, I		Deaths of	Infants under I Year of Age.	4.	879	818	9 01	12	10 23	40	16	20	- 10	64	1.1	16	10	29	61	13	12	39	26	36	3 3	19	46
1-1	d during	gaipue	DEATHS.	82	3062	1236	20	4	29	131	41	67	27	228	8 5	09	44	62	28 29	42	119	117	72	99 65	300	44	166
TABLE 1B	Registered during	the Week ending	BIRTHS, DEATH	3,	5443	2432	84	47	118	241	87	125	54	331	# A A G	125	92	8 3	85 85	42	120	189	138	115	64	140	200
		POPULATION	to the middle of the Year 1889.	1.	9,555,406	4,351,738	141,263	78,225	229,361 82,544	454,835	150,520	287,812	102,511	606,562	010,010	284,283	142,405	121,275	92,825	81,080	225,056	827,227	208,017	184,193	112,712	266,900	353,082
				Cols.	1		•	• •	PTON	•	•								9	•		•	•	• •	•	•	
	-	0.000	AND AND AND AND AND AND AND AND AND AND		28 TOWNS	LONDON .	PORTEMOUTH	NORWICH -	BRISTOL . WOLVERHAMPTON	BIRMINGHAW	LEICEBTER *	NOTTINGHAM		LIVERPOOL .	BOLTON -	SALFORD*	OLDEAM .	BLACKBURN .	BLE	HALIFAX .	BRADFORD LEEDS .	SHEFFIELD .	HULL .	NEWCASTLE.	CARDIFF	EDINBURGH -	DUBLIK .

Table 2. LONDON .- Births and Deaths Registered in the Thirty-seventh Week of each of the Eleven Years, 1879-89.

Total Births  Males Females .	1879 2894 1199 1195	1880 2382 1213 1169	2493 1245 1248	1882 2430 1248 1182	1883 2488 1256 1292	2604 1340 1264	1885 2542 1330 1212	1886 2589 1284 1305	2506 1283 1223	1888 2488 1270 1218	Corrected Weekly Average in 10 Years 1879-88.*  2717.0 1381.4 1335.6	1889 2432 1279 1158
Total Deaths  Males Females .	1262	1438	1151	1269	1260	1373	1231	1403	1266	1330	1415·7	1236
	663	764	580	634	661	686	633	724	658	664	727·0	652
	599	674	571	635	599	687	598	679	608	666	688 7	584

The numbers in this column are the average weekly numbers in the thirty-seventh weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population.

T.()ND()N.—Births, Deaths, and Meteorology in the Last Thirteen Weeks

TABI	E 3. L()	NDON.	DIRIII	9, 111.	A1110,	and .	WIE IE	OROLO	GI II	the	Last	IHIK	LEEN	WEEL	79.
			June 22.	June 29.	July 6.	July 13.	July 20.	July 27.	Aug.	Aug.	Aug. 17.	Aug. 24.	Aug.	Sept.	Sept.
TOTAL	Births		2636	2467	2507	2306	2627	2376	2481	2180	2715	2358	2425	2373	2432
TOTAL	Deaths		1243	1265	1350	1605	1556	1553	1532	1366	1392	1240	1263	1170	1236
Ages at	60-80	ears ,, ,, ,rs & upwd	575 180 218 225 s. 45	572 179 232 229 53	722 168 221 205 34	902 151 232 .257 63	908 164 197 245 42	898 166 223 212 49	850 161 209 261 51	739 139 222 216 50	727 160 202 235 58	628 140 197 223 52	569 172 235 240 47	535 151 219 216 49	583 164 207 233 49
עי	{Under 1 1—5 5—20	year	281 203 91	315 189 68	429 208 85	617 196 89	631 197 80	599 216 83	555 193 102	468 195 76	447 195 85	387 163 78	331 156 82	306 141 88	313 204 66
Deaths:	" Dipht	es - et fever heria	23 - 17 - 27	33 10 13	31 9 38	30 9 25	29 12 23	20 6 44	25 11 45	15 16 28	18 13 36	9 16 87	12 17 32	9 18 30	10 17 41
91 99 33 33 39	" Typhi " Enter " Simpl " Diarri	ping-coug is - ic fever eContafev hœa and sentery -	- 7 er -	27 - 8 1 57	8 - 8 - 155	26 - 8 2 258	29 -7 - 273	19 8 1 271	8 - 199	19 6 1 175	17 - 8 - 158	20 - 11 - 109	21 12 - 78	28 1 21 1 68	18 - 19 2 63
"	" Chole		-	149	278	368	383	379	314	266	254	204	1	3	-
		d Diseases f Respira-	)	169	143	158							173	179	175
99	,, Phthi: Dis. o	ry System sis - of Circula- ory System	155	137	138	127	141 136 102	160 150 91	182 126 110	149 128 93	162 135 111	115 139 104	148 149 93	142 134 95	152 137 102
Inquest	Deaths Cases in Public In	nstitutions	53 - 105 324	39 90 314	51 90 280	83 129 356	43 83 348	60 113 314	70 115 325	65 114 320	49 108 319	56 93 279	51 93 335	47 86 827	101 316
Mean Mean	of Highest	readings	- 59·6 - 72·4 - 49·7	64·1 77·1 52·1	63°8 74°6 53°7	63·0 72·9 56·2	58·7 69·9 51·3	58·1 67·7 51·9	64·9 76·2 55·3	60°·4 72·8 52·0	59·3 69·7 52·5	57·8 68·1 51·1	60·2 78·0 48·5	60·5 69·1 55·2	63·0 74·6 53·8
Humidi	ty of the Ai	ir -	- 76	71	71	80	80	82	76	80	82	80	74	88	76
	ll in inches	- (i)	- 0.00	1	0.00	0.72	0.43	0.90	0.20	0.46	0.19	0.98	0.00	0.54	0.00
Registe	red Sunshin	e (in hour	65.3	54.1	51.3	23.0	28.1	26.5	36.5	46.0	26.8	26.2	53.9	22.6	48.4

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq. Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the

TABLES 2.				Тни	RTY	-SE	VEN'	TH	We	ek of the Year 1889.	-								_
	10 years	Sa	In turds	the sy, 14	Wee th S	k end	ling nber	1889			for the	Sat	Ir	the y, 14	Weeth Se	ek en	ding	1889	
	e 10 ye		De		of P	ersor ges	is of				ges to 10 3		De	aths th	of Po	rson	s of		
AUSES OF DEATH.	verage of th		U	nder 20.		er 40.	er 60.	er 80.	пик	CAUSES OF DEATH.	seted Averages Weeks of the 10 1879-88.*		U	nder 20.		under 40.	er 60.	er 80.	and .
AUSES OF Edition	Corrected Averages 37th Weeks of the 1 1879-88.*	AGES.				d under	d under	d under	upwards.		Corrected 37th Weel	AGES			20.	and und	and under	and under	upwards
	Corre 37th	ALL	0-1.	1-5-	5-20	20 and	to and	60 and	000		Corr	ALL	0-1	1-6.	5-2	20 a	40 a	60 a.	80
ALL CAUSES	1415.7	1236	318	204	66	164	207	233	49	Diseases of Organs of Special Sense † }	2.3	1	-		-	_	-	1	-
Small- Vaccinated; -	} 5.6		-	-	-	-	-	-	-	Diseases of Circulatory }	90.4	102	3	1	9	17	28	37	7
No Statement	20.5	10	3	7	-			_	-										
Measles	38.8	17	3	8	5	1.	-	-	-	Croup	97.4	8 72	14	24	ī	2 7	8	18	5
Typhus	0.7		-	-	-	-	12-	-	-	Pneumonia Pleurisy	49.0 8.6	52 5	12	18	-	1	5	9	1
Relapsing Fever't	0.0		-	-	-	-	-	-	_	Other Diseases of Respi- ratory System}	19.1	15	3	8	1	-	4	4	-
Influenza	83.0	18	6	12	-		-	-	-	Danklidge A	0.1	77		-				-	
Diphtheria	18.9	41	2	30	9	-	-	-	-	Dentition † Quinsy, Sore Throat † -	9.4	11	7	4	- 0	2	ĩ	- 8	-
Simple Continued and	1.7	2	1	-	-	-	-	1		Enteritis	5.7	21 5 32	11	1	8	- 8	15	10	-
Enteric Fever	18.9	19	-	1	4	11	2	1		Diseases of Liver - Other Diseases of	29.8	88	11	2	2	4	10	7	_
Cholers	3'4	68	45	17	-	1	1	3	1	Digestive System - 5		-	_	_	_		_	-	_
Diarrhœa, Dysentery - Remittent Fevert	0.5	-		-		-	-	-	-	Diseases of Lymphatic	1.8	_			-		_		_
Hydrophobia	0.1	-	-	-	-	-	- 1	-	-	System & of Ductless }	1.9					1			
Glanders	0.0	-	-	-		-				Discours of Pain				-	_		7.	7.0	-
Cowpox and Effects of Vaccination † }	0.5			-	-	-	-			Diseases of Urinary System}	84*6	85	-	3	-	6	14	11	1
Venereal Affections -	13.2	7 2	6	-	-	2	-	1			-	-	-		-			-	-
Erysipelas – – – Pyæmia and Septicæmia †	1 000	î	-	-	-	1	-	_		Diseases of Generative	4.8	1	-	-	-	-	1	-	-
Puerperal Fever	3.7	2	-	-	-	.2	-		-	Ascidents of Childbirth -	8.7	-	-	-	-	-	-		-
Other Zymotic Diseases †	0.8	1	-	1	-	_	-	-		Diseases of Locomotive	7.0	4	-	1	1	2	-	-	-
Thrush	3.1	2	2	-	-	-	-	-	-	System † S			-	-		-	_	-	-
Worms and other Para- sitical Diseases}	0.3	1	-	_	-	1	-	-	-	Diseases of Integumen- tary System}	2.6	5	2	-	-	-	-	2	1
Stampation Went of		1											-	-					
Starvation, Want of Breast-milk †}	2 0	8	3	1	-	-	-	-	-	VIOLENT DEATHS.§									
Alcoholism	4.4	8	- -	-	-	2	5	1	_	(ACCIDENT.)									
Rheumatic Fever,	7.0	9	-	1	3	3	2	-	_	Fracture and Contusion Gunshot Wound	21.7	26	2	-	6	7	8	3	-
Rheumatism of Heart† } Rheumatism †	2.0	2	-	1	-	-	1	1	-	Cut, Stab Burn and Scald	0'2	1 8	-	2	-	-	-	1	-
Gout	2.9	5	-	-	-	-	1	4	-	Poison		3 3 3	-	-	1	1	3	-	-
Rickets †	3.8	2	1		-	-	-	-	-	Suffication Otherwise	9.6	5 -	5	-	-	-	-	-	-
Cancer	54.2	29	14		2	6	18	24	1	O MOT WISO	_	-	-	-		-	-	-	-
Tabes Mesenterica - Tubercular Meningitis -	26.4	18	4		1		-	-	-	(Homicide.)									
Phthisis	159.2	137	2	5	8	64	48	15		Murder & Manslaughter	1.6	-	-	-	-	-	-	-	-
Scrofula, Tuberculosis -		13	8		4		1	1											
Other Constitutional Diseases †	8.1	7	1			1	8	8	-	(SUICIDE.) Gunshot Wound	0.8	1	-	-	-	1	-	-	-
Premature Birth	35.0	85	35	5			-	-	-	Cut, Stab	1.2	-	-	-	-	-	-	1	-
Ateleotacis †	1.7	8	8			.   ^-	-	-	1	Drowning	1.3	1 8 2	-		1	-	2	1	
Congenital Malforma-	6.1	. 11	10	1		-	-	-	-	Otherwise	1.1	2		-	-	1	1	-	
Old Age	45.8	59					-	82	27	(Plane									
Anonleys	39.7	24				. 3	8	11	2	(EXECUTION.) .	- 0.0	-	-	1 -	1 -	1 -	-	-	-
Apoplexy	6.0	9	_		•	2 4	1 -				-	-	-	-	-	-	-	-	
Convulsions	40°2	38	_	0 8			-	-	-	OTHER CAUSES ! -	71.2	56	50	1	-	-	2	8	-
Other Diseases of Brain and Nervous System	} 73.4	73	1	2   18	3	5 6	9	20	3					-				1	
		_	-	_				1	1	an many 1970 VV united by V		-		-		-			

numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by \$\frac{9}{10}\$ 45 per cent for increase of population. the ten years average could not be correctly ascertained, the average for the seven years 1882-8 has been used.

• cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When less attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered mer, the case is returned under the heading "no statement."

\*\*ritence at inquasts is often insufficient to cause, the Coroner to certify whether a violent death be the result of accident, murder, which, or suicide. All such cases are classed under "accident or negligence."

TABLE S. LONDON .- POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SOAL

											_		dur		the		
2	1			1			Th	e DE	ATHS	regis	tered	in th	We	ekin	lude		
	Enume-			Dea	the of	1_				Deat	the fr	om				1	1_
REGISTRATION	Popu-	H/8	E S	10.0	d 60 Wds			1 :	1	-sough	1	104	1 :	1	1	1 ,	u blie
SUB-DISTRICTS.	lation, 1881.	BURTER	DEATH.	under of Age.	aged & upw	ğ		Fover.	ria.	3g-60	١.	S. C.	con-	à	١.	Cases	n P
	1991.	Total 1	Total	Infants Year	Persons Years	Small-pox.	Measles	Soarlet	Diphtheria	hooping	Typhus.	Enterie (Typhoid)	Simple e	Diarrhos	lenee	Inquest	the i
		To	i i	Inf	Per	Sm 8	Ke	Son	Dip	Wh	Ty	Ent	Sim	Dia	Viole	Ingu	Deaths in Public Institutions.
LONDON	8,815,704	2432	1236	313	282	-	10	17	41	18	-	19	2	68	49	101	316
WEST DISTRICTS	669,688	873	209	44	58	-	-	8	9	2	-	3	-	11	9	25	66
NORTH DISTRICTS	905,947 282,288	548 147	273 88	74 22	58	-	2 2	4	9	4	-	5	-	15	8	21	72
CENTRAL DISTRICTS	692,788	479	252	64	17 51	-	2	4	6	3	-	6	-	13	7	12 22	23 83
NOUTH DISTRICTS - METROPOLITAN ASYLUM HOS-	1,965,148	885	414	109	103	-	4	6	14	9	-	8	2	26	13	21	72
PITALS OUTSIDE REGISTRATION LONDON	-		-	-	-	_	-		-		-	-	-	-	-	_	-
WEST DISTRICTS.  St. Mary Paddington WHH G.J. &W.M.	69888	56	17	5		_					-						
St. John Paddington H - G.J.	87880	7 58	21 28	.4	6		-	-	2		-	-	-	ī	ĩ	4	3 16
Kensington Town Ww - W.M. & C. Brompton H W.M. & C.	190141 48010	16	8	8	8	-	-	-	8	-	-	1	-	1	-	2 -	8 2
St. Peter Hammersmith - W.M. & G.J. Fulham Www - W.M. & C	7899 64340 42900	38 87	23 29	3 7	4 8	-	=	- 2	1	1	-	2	-	- 2	1	- 3	2
Chelses South HHH - C. Chelses North-west WHHHHH. C.	0896 24925	21 21	8 15	4 2	2	=	-	-	-	-	-		=	9	=	8 -	6
Chelsea North-east C.  May Fair WW G.J.	82807 80353	23	7	4	3	-	-	-	-	-		-			-	=	13
Belgrave WHHH	59220 85496	31 24	10 17 11	2 2	5 4 2	-	-	-	1	-	-	=	=	1	2 3	2 5	5
St. Margaret Westminster H - C. St. James Westminster WHH N.R.&G.J	24679 29941	13	2	-	2	-	-	1	-	-	-	-	-	1 -	1	5 2	6
St. Anne Soho HHHUHHH - NR.	16668	15	5	1	2	-	•	-	-	-	-	-	-	-	1	1	-
	26759 14891	8 7	11 2	-	2	-	-	-	-	-	-	-	-	-	2	2	8
All Souls Marylebone HHHH - W.M. Cavendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone HH G.J. & W.M. Christeburch Marylebone HH - W.M. St. John Warylebone H - W.M.	24809 21118	14 27	7 5	3	=	-	-	=	=	-	=	=	-	=	=	ī	1
	83700 83638	9	10 8	5 2	ã	-	-		-	1	-	1	-	1	-	1	=
Hampstead Wow H N.R. a W.M	45452	89 26	14 5	4 2	8	-	-	1	1	1	-	-	-	1	-	-	2
Regent's Park Paneras H W.M. Tottenham-court wHHHH N.R.aW.M. Gray's Inn Lane HHH N.R.	89115 27729	14 15	20	3 2	2	-	-	-	ī	-	-		-	1	ī	2	12
Gray's Inn Lane HHH - N.R. Somers Town H N.R. Camden Town WH N.R.	80247 84369 17811	21 10	11 13	4 8	2 7	-	1	=	-	1	-	-	-	1	-	1 2	3 1
Kentish Town W N.R.	87487 67946	51	20	8	7 11	-	-	-	-	-	-	-	-	1	1	2 2	8
Upper Holloway WWWH N.R. Islington South-west HH N.R. Islington South-east N.R.	100976	62 83	31	13	5 1	=	1	-	-	1	-	-	-	1 2	-	-	17
Highbury H N.R. Stoke Newington H N.R.	52048 22781	19	12 7 9	1 2	2 2	-	-	-	7	-	-	-	-	ī	-	2	-
Stamford Hill E.L. West Hackney H N.R.	9277 87610	18	8	1 8	1	-	=	=	-	-	-	1	-	1	ī	ī	-
Hackney WwwWH E.L. &N.R. South Hackney E.L.	76911 39888	21	85	4 8	6	=	-	2	5 -	-	-	8	=	2	9		1 16
CENTRAL DISTRICTS. St. George Bloomsbury N.R.	10001	6		2	, !											1	
St. Giles South WH N.R. St. Giles North N.R.	16681 14864 18887	6	9 2	2	1 -	-	1	-	-	-	-	-	-	1 -	1	1	-
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R.	1750B 7515	7 2	10	1	1	-	-	-	3		-	-		-	1	1	8
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	8559	1	5	2 -	1	-	=	=	-	=	-	ĩ	-	ī	-	-	2
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W N.R.	18671 10706	11 9	5	2 1 1	2	-	-	-	-	-	- 1	-	-	-	1	2	3
Saffron Hill H N.R.   St. James Clerkenwell N.R.	6588 17516	5 15 13	2 3	-	2	=	-	-	-	=	-	-	-	-	-	-	2
Amwell Clerkenwell N.R. Pentonville N.R. Goswell-atreet N.R.	19281 14778	9	3 1 5	1 8	1 -	-	-	-	=	=	-	=	-	-	-	=	-
Old-street H = N.K.	17506 11541 18628	6	2 2	8	3	-	-	-	-	-	-			-	- 1	1	-
Whiteeross-street N.E.   Finsbury N.B.	9217 7468	3	1	-		-	=	-	-	-	-	-	-	-	-	-	-
Holborn Union Workhouse, Mitcham, w. St. Botolph H - N.B.&E.L.	11174	7	1 4	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Cripplegate N.R. St. Sepulchre H N.R.	7198 5358	2	2 11	2	3		-	-	-	-	-			ĩ	-	1	-
Allhallows Barking - N.K.	8396 18666	1	8 5	-	3	-	-		=	-	-	-	-	-	4	5	8
Broad Street H N.R.	5652		2	-	2	-	- 1	-	-	- 1	-	- 1	-	- 1	-	-	ī

NOTE.—The Italie letters placed against the names of the sub-districts denote Public institutions cituated therein, namely: W-Work house E-Lablishment receiving inmates from other Districts than that in which it stand see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts—(a.d. signify and K. the Kent Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vanxhall; L. Lambeth; N. R. New River; E.L. East London and K. the Kent Company.

EVER, DIPHTHERIA, WHOOPING-GOUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sus-district aturday, the 14th September, 1889.

aturday, the 14th September, 188																		
							The	DEA	TES T	egiste	ered i	n the	Wee	k inc	ude			
	Enume-			Deat	hs or				J	Death	s (ron	n					23	10
REGISTRATION 8UB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHE.	Total DEATHS.	Intants under l Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fiver.	Simple con-	Diarrawa.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes
EAST DISTRICTS.  Holywell Shoreditch - N.R. & E.L. St. Leonard Shoreditch HL* - N.R. Histon New Town w N.R. Histon Old Town N.R. Haggerston WH N.R. & E.L.	7376 14967 29937 28036 46275	6 8 18 10 45	1 4 17 3 10	1 2 7 1 4	1 5 1 8	11111	1111	1 -	1111	11111	11111	11111	11111	1	1 - 1	1	1 4 - 4	1111
ttackney-road H E.L. Green, Bethnal Green WHL* - E.L. Church, Bethnal Green E.I. Town, Bethnal Green E.L.	29788 47932 29981 19810	13 43 23 17	3 24 13 2	1 3 2 -	11 1 -	1111	1	- 1 - 1	3 . 1, 1	1111	1111	1111	1111	1	3 -	141	13	
Spitalfields E.L. & N.R. Mile End New Town W Whitechanel Church H Goodman's Fields E.L. Aldgate - N.R. & E.L.	- 22585 15478 17490 9713 6102	14 14 9 4	3 8 24 3 2	1 1 8	3 2 -	11111	1	11111	11111	1111	11111	1 4 -	11111	1	1	1	21	11111
St. George's, North E.L. St. John, St. George East W - E.L.	88747 8410	38 13	6	4 -	1	-	-	1 -	-	-	-	-	1-1	ī	Į-	2	2	-5
chadwell HH - E.L. & N.R. Rateliff E.L. Limehouse E.L.	10895 16107 32041	9 7 22	15 8 5	8 1 1	-			-	2 - 1	ī	1 1 1	111		2 -	1.1.	1 1 1	10	-
Mile End Old Town West - E.L. Mile End Old Town East WwwH-E.L.	37960 67653	82 44	16 24	5 7	8 7	-	-	ĩ	. 1	-	-	1	-	2	-	1	9	-
Bow 7 E.L. Bromley wwwH E.L. Poplar WWH E.L.	87074 64359 55077	24 44 26	12 35 12	4 7 1	8 3		-	1	1,	1 1 -	1 1 1		-	1 -	4 2	6 4	3 12 -	-
SOUTH DISTRICTS.  St. Saviour Southwark WH St. Saviour Southwark S.  Rent-road S. & L.  Borough-road WH S. & L.  London-road HL L. & S.  Trinity Newington - S. & L.  St. Peter Walworth W - S. & L.  St. Mary Newington - L. & S.	18668 14999 21851 15953 21318 26672 59555 21623	10 8 17 9 21 19 86 19	1 -6 5 7 8 13 9	3 8 5 1	1 1 2 3 3	1111111		111111			11111111	11111111	1111111	1 1 -	1,	1 1	2 - 3 -	1111111
St. Olave WH S. Leather Market S. & L. St. Mary Magdalen W - S. St. James Bermondsey - S. Rotherhithe WH S. & K.	11956 16300 15669 54688 36024	8 15 10 85 31	20 6 2 13 14	7 3 - 4 4	2 - 4 4		I FITT	1	1.	1	11111	1		3 - 3	1	1	8 - 4	1 1
Waterloo-road 1st   H -   L, & 8,   Waterloo-road 2nd   H -   L, & 8,   L & 8   L &	15195 16351 19876 39859 45232 35332 62887 19017	7 17 7 40 30 16 29 17	5 2 11 14 6 31 22 5	1 1 1 6 2 3 4 2	1 4 2 8 8 3	1111111	1	FILLITE	1 8	1 1 2 -	111111111	11111111	1111111	1 2 -	2 1 1	2 1 1	6 7	11111111
East Battersea         S.           West Battersea         WwH S.           Clapham         S.           Wandaworth         WHL - S.           Putney         S.           Streatham         - L.	54675 52587 36380 28004 13235 25553	43 54 23 18 5 19	18 19 10 9 2 10	8 4 3 2 -	5 7 4 8 1 4			1	1 1 -	1	111111		1	1	2 1 - 1	1 1 1	2 -	1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	5590 59104 71089 50810	87 43 50	28 15 17	5 - 7	1 9 5		1 -		111			1		1 1 2	1 1 1	1	12 1	-
St. Paul Deptford see - K. St. Nicholas Deptford K. Greenwich West. H K. Greenwich East. WHH K.	76752 7901 21972 24603	59 4 19 24	29 3 4 13	7 1 1 5	5 - 4		2 -	8 -	2 - 1			1		1	- - 1	- 4	6 - 5	2 -
Eltham $H$ K. Lee $H$ K. Lewisham $WH$ K. Ydenbam $H$ L.	£048 21559 19865 26076	9 9 18	2 7 6 4	1 2 3 1	3 2	1 1 1 1		- i		1111		1 1 1	1111	1		1 4 4 4.	3 -	1 1 1 1
Woolwich Dockyard K. Woolwich Arsenal HH - K. Flumstead, West H K. Flumstead, East W K.	10930 17617 19048 14009 19241	4 18 13 10 27	4 4 8 3 13	1 2 5 2 1	1 - 1 5			1	11111	1		11111	1111	1 2 1 2	- - - 1	1 1	1 - 6	i i
Netropolitan Asylum Hospitals: Dartford w Winchmore Hill w Plaistow w	-	=	-	-	=	-		-	-		-		-	=	=		-	=

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the above Table by w:—

Marylebone Indrmary in Kensington Town sub-district.
Courtal London Sick Asylum in Tottennam Court-road sub-district.
Holborn infirmary in Upper Holloway sub-district.
Holborn Hoston New Town sub-district.
Whitechapel Hoston New Town sub-district.
Whitechapel Hollowing H

TABLE 6 .- LONDON .- OUTER RING .- AREA : POPULATION : BIRTHS and DEATHS registered during the

.—	3.—130.117()[4,—1				nding													
esia-		Area				1			ene f	)EATH	a recisi	lara )	a th-	Viek	nemde			
ration		in Acres,	Enume-			Deat	ths of	1			Death	s fro n						19
'listrict	REGISTRATION	inolu-	rated		FIIS.	-	da.	1	1			Stb.			1		Public	Causes
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS.	DEATUS.	under of Age.	Sed	1		Fever.	B.	100-3		,		ases		Pod C
Num-		and	1881.	B	9	ts u	ns sares	-pox	les.	et E	theri	pring	ن	hose	nce.	Bat C	esths in Pu	Doat
bers.		Fore-				Infants Year	Persons ag	Small-pox.	Measles.	Searlet	Diphtheria	Whooping-cough	Fever.	Diarrhoss.	Violence.	Inquest Cases.	Desths in	Uncertified of Death.
	THE DAY						-	92							-			
Lin	NDON - OUTER RING	370,924	950,957	783	315	87	89	-	1	3	4	7	5	19	12	17	37	1
30:1	Carshalton wL -	12228	21118	13	5	-	1	_	-	_	_	1	-	-	-	_	1	-
3	Epsom (part of)* WwH	1	10710	4	4	-	2	-		-	-	-	-	-	-	-	1	-
37:1	Godstone (part of) * -	2754	1235	-	-	-		-	-	-	-	-	-	-	-	-	-	-
38:1	Croydon WwHHL -	20851 11697	101241	81	34	11	12	-	-	-	-	-	-	1	1	1	7	-
89:1	Wimbledon HHH	3220	17932 15950	14 20	6	2 2	1				-	1			1 1	1	-	
2	Kingston WHH	8549	36354	27	10	1	3		-	-	-	-	-	-	-	-	4	-
8	Esher (part of) * - Hampton H	6601 4573	9221 13539	3	1 3		1	-	-	-	9	-	-		1	1	-	
40:1	Richmond WH	2272	18539	16	8	1	2		-				_				1	
2	Mortlake	2941	12331	6	6	1	2	-	-		-	-	-	-	-	-	-	
41:1	Bromley (pt. of) * HH Chishrst(pt.of)* WHH	15669	81142	21	3	1	1	-	-	-	-	1	-	-	-		-	
42:1	Chishrst(pt.of)* WHH	14307	24124	8 9	3	- 5	1 2	-	-	**	-	-	1	1	1	1		
2	Dartford (Ww, pts. of)*	10101	24134	-	9 -	5	3 -	-	-	-	-	-	-	-	1 -	-	-	
124: 1	Sunbury 10	11055	11635	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-
125:1	Staines W	13277	12099	5	5	-	3	-	-	-	-	-	-	-		-	2	
125:1	Hillingdon WHH - Uxbridge	6029 6178	10802 5225	6	8	1	1	-	-	_	1 -	-	-	-	1	1	1	
8	Hayes wHL	14587	11523	-	1	-	1	-	-	-	-	-	-	-	-	-	-	
126: 1	Isleworth WHH -	7008	22727	13	2	1	1	-	-	-	-	-	-	-	-	-	-	-
3	Twickenham H Brentford HL	2477 4345	12479 27849	8	8	3	3	-	-	-	-	-	-			1	1	
4	Chiswick	1340	15975	16	4	1	1	-	-	-	-	-	-	-	-	-	-	-
127:1	Acton wH	6088	22876	17	9	4	3	-	-	-	-	-	-	1	1	2	-	-
2	Edgware H	13809 6994	12796 3749	10	3	1	1	-	1	-	-	-	-					
8	Willesden	4383	27453	41	11	3	5	-	2	1	-	1	-	-	-	1	-	-
137:1	Hendon W	9331	10484	8	2	-	2	-	-	-		-	-	-	-		-	
9	Watford (W, pt. of) -	-		3 -	4	-	1	-	-	-	-	-	-	-	-	-		-
128:1	South Mimms	15599	6391	5	6	2	2	-	-	-	-	-	-	-	2	2	-	-
3	Barnet   Finchiev HL	5423 4688	10092 17615	6	1 7	-	-	-	-	-	-	-	-	- 1	-	-	1	
135:1	Hatfield (part of) * -	3306	583	-			4	_						-			6	
129:1	Hornsey H	3039	37078	21	7	3	1	-	-	-	-	-	-	-	-	-	-	
3	Tottenham H Edmonton Ww 1	4642	46456	65	22	4	5	-	-	-	1	1	-	1	1	2	2	-
4	Endeld WH	7463 12653	23463 19104	25	12 9	4 3	4	-	-	-	1	1	-		-	-	1	-
5	Waltham Abbey Chesnunt	11017	53-35	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
	Chesnunt Stratford	8480	773; 38603	6	3	-	2	-	-	-	-	•	-			-		-
2	West Ham wwwwH\$	7351	101053	34 123	12 51	3 19	3 6	-	-	1 -	1	-	4	9	1	9	-	1
3 4	Leyton WwL Waithamstow H -	4372 6520	32430	35	15	4	6	- }	-	-	-	-	-	1	-	-	5	-
	Chigwell (part of) * H	11761	9339	31 5	8	1	2	-	-	1	-	-	-	-	1	1		-
2	Epping (W, pt. of)* -			-	-	-	1 -	_	-	-	I	-	-	1	-	-	-	-
	Romford (part of) * W	6730	3411	1	1	-	-	-	-	-	-	-	-			-	-	-
	Barking Town -	8493 4127	7645 9203	7 8	1	1	-	-	-	-	-	-	- 1	-	-	-		-

<sup>6</sup> fine parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as forms The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer stag are as the 30:2, Epsom sub-district, except the parisnes of Ashstead and Headley (pop. 1255); 37:1, the parisnes of Wardingam and Farley in Golstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parish of Cadasan and Knockholt (pop. 1818); 41:2, Chislenurst sub-district, except the parish of Chelsdield (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenam in Romford sub-district slaved and 187:1, Engine sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenam in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42; 2, Dartford, 137; 2, Watford, and 187; 1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

<sup>‡</sup> Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winehmore Hill (see Table 5).

Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of Mortality during the Week ending Saturday, 14th September, 1889.

				ANNUA	L RATE			The Ds	ATHS	regi	stered	in t	he W	eek i	nelude	е	
	GREATER	Area in Acres,	Estimated	of Mor per 1000	TALITY living.	DEATH8 from	Deat	hs of			I	eath	s fron	n			ublie
8	LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhea.	Violence.	Deaths in Pu
	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	11.	15.	16
GR	EATER LONDON	448,334	5,642,015	14.3	2.0	1551	400	371		11.	20	45	25	26	87	61	353
	INNER LONDON - OUTER RING -	77,410 370,924	<b>4,351.738 1,290,277</b>	14·8 12·7	2·1 1·6	1236 315	313 87	282 89	-	10 1	17 3	41 4	18 7	21	68	49 12	316 37

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

TABLE 8.-BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,657,164 Persons.

à						ANNUAL	DE	ATHS	FROM	ISEASI	es.	ZYMOI	
Cities.	POPULATION (enumerated or estimated).	DATE OF RETURE Week endin		BIRTHS. Exclusive o	DRATHS.	DEATH- BATB per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diplytheria.	Whooping-cough.	Fever.	Diarrhœal Diseases.
CALCUTTA	433,219	July	27	_ 1.	222	. 26*7		1	_	1	_	72	43+
BOMBAY	775.196		13			-	-	-	_	_	and .	_	
MADRAS	398.777		19	346	324	42.2	-	18	?	9	3	80	66†
PARIS	2,260,945	September	7	1217	890	20.2	1	10	3	32*	12	28	105
RRUSSELS	471.606		7	237	140	15°4		10		-	2	2	25
(with 8 Faubourgs.)	\$71.000	B)		201	1 -	1							200
AMSTERDAM .	403,083	**	7	289	136	17.7	-	3	1	1	1	-	-
ROTTERDAM .	197,723	93	7	144	. 77	20.2	-	***	- 1	-	-	1	1
THE HAGUE -	153,440	23	7	121	55	18.6	1 -	-			3	-	1
COPENHAGEN -	307,000	**	7	231	104	17.7	-		-	6	3	1	12
STOCKHOLM -	228 218	August	31	138	81.	18.5	-	-	-	1	2	1	14
CHRISTIANIA -	138 30 >	September	7	66	38	14.3	-			8	2	-	. 2
ST. PETERSBURG	842,883	August	31	-	462	28.6	-	21	4	2	3	14	81
BERLIN	1,489.672	23	24	856	561	19.6	1	-	4	29	6	3	113
HAMBURG(State)	575,276	9)	31	400	209	19.0	-		4	7*	5	4	40
DEESDEN	264,196	29	31	164	102	20.1	2	-	1	5*	5	1	20
BRESLAU	315,000	September	7	211	153	25.4	-	-	2	8*	6	1	21
MUNICH	281,000	August	31	195	198	36.1	-	1	3	2*	-	1	81
VIENNA	811,434	29	31	462	274	17.5	-	1	1	5	1	-	32
PRAGUE	304,356	93	81	-	110	18.9	- /	-	3	2	2	2	5
BUDA-PESTH -	452,907	2)	31	310	249	28.6		-	4	11	1	16	. 37
TRIESTE	158,084	39	31	-	79	26.0	-	-	.1	3*	-	-	15
ROME	404.419	July	- 13	213	178	23.0	-	7	-	2	1	11‡	22
TURIN (10 days)-	306.398	August	10	257	216	25.6	-	15	1	1	2	4	53
VENICE	153.375	33	24	94	79	26°9	9	-	-	~	3	1	15
CATRO	374,938	. "	15	433	860	50.1	4	-	-	-	-	16	152
ALEXANDRIA -	231,396	19	15	.215	204	46.0	-	-	-	-	3	9	57
NEW YORK -	1,571.300	23	24	-	769	25.5	-	1	2	15	16	20	150
BROOKLYN .	814,505	,,	24	-	343	21.4	-	-	2	12	5	9	45
PHILADELPHIA -	1,040,245	50	24	-	426	21.4	-	1	2	4	3	18	51
BALTIMORE -	500,343	33	24	-	200	20.9	1 -	1	1	5	-	14	36

Including deaths from croup.
 Including 19 deaths from cholera in Calcutta and 1 in Madras.
 Including 7 deaths from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL USSERVATORY, GREENWICH, during the Week ending Saturday, September 14th, 1889. Under the Superintendence of the Astronomer Royal.

A day, or from mutualization unumerated from 29.94 in. at the beginning of the week to 29.42 in.
The randing of the baronister decreased from 29.94 in. at the beginning of the week to 27.77 in.
Those on the 8th, increased to 20.05 in. by the ast on the 19th, decreased to 29.98 in. The average temperature of the air is that derived from a discussion of the photographic In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "fower," than the average. The record of Electricity is derived from Thomson's self-registering Blectrometer. The symbols employed are: -P. positive; N. negative; w. weak; m. moderate; s. strong; and The results of all the meteorological observations are to be understood as applying to the The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one, of the jetties of the Foreign Cattle Market at Deption, and Sunshine Instrument, show The height of the cistern of the barometer is 159 feet above the mean level of the sea; no eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty, years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum the mean daily value of temperature of the air from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrorecords made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 15 years ending 1875. The means of the The mean daily dew point temperature and degree of humidity are deduced converted into mean daily values by the application of corrections deduced from a discussion their readings are registered by the Clerk of the Market, under instructions from in a Gauge whose Suma 0.00 00.0 00.0 00.0 00.0 00.0 26 Average of 16 Years. -154" -119 -12440 58 Sum - 821 Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. Robinson's. Movement of the Air on each Iorizontal Sum 1125 224 54 The numbers in column 29, derived from the Campbell-Stokes correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. Mean of 24 hourly obs. 0.0 lbs. 0.0 23 Pressure on the Square Foot. the aggregate duration of bright sunshine on each day. 0.0 0.0 bs. 0.0 0.0 0.0 22 Breat-0.0 8.0 1.0 est. civil day, or from midnight to midnight. and minimum thermometers, forming SW. & SSW. W. R. NNW. SSW. & SW WSW. & N. & NE. NNE. SW. & S. SSW. 20 P.M. General Direction. 23 Jalm & NNE. SE. & WSW. SW. & NW. SSW. & SW SW. & SSW S. & SSW. SW. N. & NE. A.M. metricai Tables. Of the Water of the Thames at Deptford. 18 est. 0 (column 8). v. variable. Highest. High-est in Sun's Grass. 0.5 9.9 6.8 16 Cloudy in morning; very fine with little cloud till evening; overcast at night. Cloudy and foggy in morning; very fine afterwards, with amall amounts of light cloud. Very warm. cloudless in morning; small amounts after wards. Sultry. Fine in early morning; parbially cloudy, gloomy, nd foggy till afternoon; fine afterwards. Cloudy in morning; very fine afterwards; cloudess from afternoon. Very waim. 8.60 114.3 6.411 8.67 05.50 0.90 18.7 15 little equals 14 Variable in morning: very fine with 80 64 22 GENERAL REMARKS. Warm day. Difference between the Air Temperature and Dew Point Temperature. 0.0 13 1.41 23.5 14.8 6.61 9.5 12 est. Very fine; cloudless in of light cloud after wards. Fine; partially cloudy. 6.6 6.4 8.0 Of the Dew Point. Mean daily P. 20 20.2 6.99 0.8 55.1 52.6 8.99 De-parture from A verage of 4.8 + + + + TEMPERATURE. Registered Sun above Sunshine, Horizon, in hours, in hours. 65.4 6.99 8.99 63.0 62.4 1.89 53.4 00 0.0G 12.7 13.0 13.0 12.9 17.8 12.8 12.7 Of the Air. 6.97 4.4 4.13 8.03 6.91 Range. 4 Sum 43.4 0.1 6.8 2.5 2.4 8.8 4.9 0.19 P. 19 53.8 0.19 9.99 8.69 46.1 9 est. 0 18.4 74.6 2.1.2 78.4 81.8 26 The electrometer was not in action throughout the week. ELECTRICITY. (For explanation of symbols, see Note.) \$20.03 29.980 30.030 \$86.63 30.019 30.050 Full. SEPTEMBER. MONTH AND No. of Col. SEPTEMBER WEDNESDAY 1889. THURSDAY . DATE. SATURDAY DAY. MEANS WED. THUES. MONDAY TURBDAY Mon. PUES. SUN. SUNDAY FRIDAT SAT.

## OFFICIAL COPY.

# WEEKLY RETURN

#### AND DEATHS IN LONDON BIRTHS

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

## By Authority of the Registrar General.

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WEEK ENDING SATURDAY, SEPTEMBER 21. Price 13d. No. 38. 1889. Vol. L.]

> General Register Office, Somerset House, 23rd September, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.0 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending				Weeks	ending	
Towns.	Aug. 31.	Sept.	Sept.	Sept. 21.	Towns.	Aug. 31.	Sept.	Sept. 14.	Sept.
Derby - Halifax - Huddersfield Hull -	15·0 23·2 16·8 20·4 13·7 16·4 13·9 9·0 17·4 14·6 21·3	17·3 19·4 20·5 18·2 15·0 13·9 19·0 15·9 16·1 16·9 17·6	15·0 26·7 20·9 14·2 13·3 18·0 16·2 13·2 27·0 15·7 18·1	15·3 14·7 18·5 20·9 17·5 12·4 15·5 20·4 12·7 14·2 18·5 20·6 20·4	Manchester Newcastle-on-Tyne Norwich Nottingham Oldham - Plymouth - Portsmouth Preston - Salford* - Sheffield	15·1 23·4 25·6 14·9 14·7 13·2 24·6 15·1 24·5 18·6 18·2 22·6	18·2 16·9 15·0 25·4 19·6 26·0 18·3 14·8 20·6	14·8 21·1 25·6 16·0 14·7 16·1 31·4 18·5 27·5 13·4 18·7 25·7	15·2 21·1 26·9 20·4 14·3 17·6 22·7 15·1 27·5 18·3 21·0 25·3
Leicester* -				12.8	Wolverhampton	29.7	14.5	18.3	19.0

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.0 in Newcastle-upon-Tyne, 1.3 in Halifax, and 1.5 in Preston; from scarlet fever, 1.3 in Blackburn and 5.3 in Plymouth; from whooping-cough, 1.4 in Bolton and 1.6 in Sunderland; from "fever," 1.1 in Norwich and 2.0 in Preston; and from diarrhæa, 3.0 in Hull, 3.4 in Huddersfield, 3.8 in Salford, 3.9 in Newcastle-upon-Tyne and in Norwich, and 4.0 in Preston. The 68 deaths from diphtheria in the twenty-eight towns included 44 in London, 5 in Salford, 4 in Manchester, 3 in Sheffield, 3 in Preston, 3 in Derby, and 2 in Birmingham. Smallpox caused one death in Sheffield, but not one in any other of the twenty-eight great towns.

#### LONDON.

In London 2344 births and 1267 deaths were registered. Allowing for increase of population, the births were 146, and the deaths as many, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 14.0 and 14.8 in the two preceding weeks, further rose last week to 15.2. During the first twelve weeks of the current quarter the mean death-rate was 16.5 per 1000, and was 2.7 below the mean rate in the corresponding periods of the ten years 1879-88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leiecester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leiecester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

The 1267 deaths included 3 from measles, 25 from scarlet fever, 44 from diphtheria, 26 from whooping-cough, 11 from enteric fever, one from an undefined form of continued fever, 73 from diarrhea and dysentery, one from choleraic diarrhoa, and not one either from typhus or small-pox; thus, 184 deaths were referred to these diseases, being 46 below the corrected average weekly number.

No death from small-pex was registered, the corrected average being 5; and no case of this disease was under treatment during the week in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had numbered 12, 9, and 10 in the three preceding weeks, declined last week to 3, and were 16 below the corrected average. The fatal cases of scarlet fever, which had been 18 and 17 in the two previous weeks, rose last week to 25, but were 17 below the corrected average; 2 belonged to Fulham, 2 to Shoreditch, 4 (including 3 in Wilson Street) to Mile End Old Town, 4 to Newington, 2 to Bermondsey, and 2 to Lambeth sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1171 scarlet fever patients on Saturday last, against numbers increasing in the twelve preceding weeks from 559 to 1111; 128 cases were admitted to these hospitals during the week, against numbers increasing in the four previous weeks from 98 to 196. The deaths from diphtheria, which had been 30 and 41 in the two preceding weeks, further rose last week to 44 (of which 17 occurred in hospitals), and exceeded the corrected average by 24; 6 belonged to Kensington, 2 to Hammersmith, 3 to Fulham, 2 to St. George Hanover Square, 5 to Hackney, 2 to Shoreditch, 5 to Bethnal Green, 2 to Stepney, and 5 to Lambeth sanitary areas. The deaths from whooping-cough, which had been 28 and 18 in the two preceding weeks, rose again last week to 26, but were 4 below the corrected average; 15 occurred in South London, of which 2 belonged to Newington, 5 to Lambeth, 2 to Battersea, and 2 to Greenwich sanitary areas. The deaths attributed to diarrhaa and dysentery, which had declined in the nine preceding weeks from 273 to 68, rose again last week to 73, but were 16 below the corrected average; 52 were of infants aged under one year, and 13 of children aged between one and five years. The death of an infant, aged 11 months, was referred to choleraic diarrhæa.

The deaths from enteric fever, which had been 21 and 19 in the two preceding weeks, further declined last week to 11, and were 10 below the corrected average; 2 belonged to Marylebone and 2 to Shoreditch sanitary areas. The death of a male, aged 60 years, in Chelsea, was indefinitely referred to "continued fever, The Metropolitan Asylum Hospitals contained 84 cases of enteric fever, and 2 of typhus, on Saturday last; 12 cases of enteric fever were admitted during the week, against 7 and 13 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 142 and 152 in the two preceding weeks, declined again last week to 142, and were 53

below the corrected average.

Different forms of violence caused 54 deaths, concerning all but 3 of which inquests were held. Of these 54 deaths, 4 were cases of suicide, and 2 of murder or manslaughter, while the remaining 48 deaths were attributed to accident or Six of these 48 deaths were caused by vehicles in the streets, 6 by burns or scalds, 3 by drowning, 2 by poison, and 8 of infants under one year of age by suffocation.

GREATER LONDON.

In Greater London 3111 births and 1593 deaths were registered, corresponding to annual rates of 28.8 and 14.7 per 1000 of the estimated population. In the Outer Ring 19 deaths from diarrhea, 7 from scarlet fever, 7 from diphtheria, and 7 from whooping-cough, were registered. Three fatal cases of scarlet fever were recorded in West Ham, and 3 of whooping-cough in Carshalton sub-districts.

### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.87 ins.; the highest reading was 30.26 ins. on Monday morning, and the lowest 29.45 ins. on Friday evening. The mean temperature of the air was 51.1, and 5.9 below the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably below the average throughout the week, the coldest day being Saturday, whan the mean was 9.5 below the average. The direction of the wind was variable, and the horizontal movement of the air averaged 9.4 miles per hour, which was 2.0 miles below the average in the corresponding weeks of 16 years. Rain fell on three days of the week, to the aggregate amount of 0.25 in. The duration of registered bright sunshine in the week was 40.2 hours, against 46.6 hours at Glynde Place, Lewes.

. See note on first page of this Return.

	CITIES	EOROUGHS,	Cols.	- 28 TOWER.	Towns	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPTON.	BIRMINGEAM.	LIKICESTER.	DEPR	BIRKENHEAD.	LIVERPOOL.	ROLTON.		SALFORD.	OLDHAM.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	NEW CASTE	CARDINE.		EDINBURGH.	GLASGOW.	TO COMPANY
RAINBALT.		In Centi- metres.	24.	16.0	3000	3 1	1 1	0.46	11.0	1.37	•	1 0.0	18.0	1	2.49			1 1		1	1	,	1	19.0	1	1.	1				1.37	1.93	
RAIN		·Bedani ni	23.	9:36	30.0	27 0	8 8	0.18	0.58	₹0.0	1	06.0	0 02	•	0.98			1 1	1		1	1	. 1	0.50	1	1	1	1 7	0.10		0.54	94.0	2
AIR.	ean.	Centigrade.	22.	10.50	20.01	10.01	2 (	12.83	68.6	90.6	1	10.0	10.11		79.01			1 1			ı	1	3	10.83	1	1	ı	1 000	70.78		10.28	71.01	TO OT
OF THE	Me	·tiednerda?	21.	50.0		1 10	1 (	54.5	49.8	48.3	1	1 0102	7,00	8 6	51.9	1		1 1			ı	1	1	2.19	1	1	3	B 0	20.2		50.5	50.3	to l
TEMPERATURE OF THE AIR.	.1	heit Lowes	20.	35.5	2 2 2 2	, 00	1	45.2	35.2	37.2		1 2	35.5		0.67	1		8 1			1	1	2	89.8	1	ı	1	1 00	20.00		36.0	6.98	0 00
EMPER	*36	Fahrenheit Lowes	19.	68.0			1 (	0.89	64.0	1.19	1	: 00	63.3	1	64.7			8	1 1		8	1	1	63.8	1	1	1	1 00	0.79	1	61.8	63.6	0 20
	eaths	From Diseases in Cols. 6-12.	18.	6.6		2 1. 12	9.0	1 00	2.1	27	1.7	1.0	0 .4	- 10	0.0	5.5	0.0	20 00	2.6	3.0	9.2	9.7	1.9	4.0	3.4	0.9	4.0	D 4	1 00	0	3.7	2.8	0.4
Annual Kate per 1000,	to the Week's Deaths	From All Causes.	17.	0.41	0 0	7.3L	15.1	22.7	15.5	0.61	14.4	17.8	19.7	15.3	6.81	6.03		18.3	9.41	18.2	27.5	18.2	14.5	2.41	20.4	0.17	9.07	20.3	6.97	20.4 1	18.0	17.3	0.97
-	.018	Uncertified On Designation of Designation of Designation of Designation of Designation of the Designation of	16.	64	-			1 1	6.1	-1	1 1	7 -	7 0	7 F	14	1	1	ب د د	0 1	-	-	22	Н	ı		9	67	1 (	67 F	7	19	16	20
	*g	Diathsed sildud MoistutitanI	15.	549			70 -	-	15	24	83	is n	3 0	1 00	32	9	00	3 4	67	4	-	GVI	ಣ	00	13	10	9	<del>-</del>	10	9	19	35	29
		Inquest Casi	14.	204	-	1		4 1	6.5	-	II.	20 F	- G	Q F	1 1	67	1	26	B 10	, i	ı	7	1	00	6	40	ı	20	9	9	۵.	. o. c	77
de	-	Vlolence.	13.	110		R [		1	61	1	63	i r		-	1 4		1	20 -	- re	4 I	1	Н	Н	ಣ	9	щ	3	-	67 .	4	4	9	50
The DEATHS registered in the Week include		.amdrraid	12.	07.6	2001	5 00	10 1	- 00	00	41	10	20 4	47 c	၁ ေ	4 7C	1 10		14	77	9 4	9 00	9	1	10	16	16	12	10	12	10	10	-	18
e Wee		Ferer.	11.	45	P G	121	1 0	3 1	H	H	ı	1 7	<del>-</del>	£ 1	00	,	,	r-I	1 8	1	48	1	1	ෆ	ಣ	ı	H	-	1	2/	-	00	00
l in th	rom	Whooping-	10.	57	5 8	97 1	1 -	4 1	p-4	1	7	1	ı	1 -	- xc	o er	5	1 0	0 0	a 1	-	-	1	67	1	67	67	4		1	70	6	o
istere	Deaths from	Diphtheris.	9.	80	00	# 1	Н	3 8	1	1	¢3	1	1	3	1 -	<b>-</b>		4	ig r	4	1 60	1 0	1	1	1	က	1	1	H	1	1"	4	H
на гед	De	Bearlet Fever.	oô	0 1	000	22 1	-	1 00	) H	1		1	i	1	1 0	o 6	4	70 L	٦.	- 0	) 1	1	1	-	21	ಣ	1	1	г	1	-	4 67	н
DEAT		Measles.	7.	100	62	02 01	1 1 7	-	1 ==	ı	H	1	1		1 0	77 1	٠,	1	ı	1	1 0	٦ -	63	63	63	1	H	67	03	-	1	4 60	1
The		.xoq-llam2	6.	1	-	1 1	1		1 1	1	1	1	1	1	ı	ı	1	ı	1	1	1	å	1	1	1	H	1	1	1	1		1	1
	l of	60 Years		100	599	203	00	1 00	10	20	28	2	18	io i	20 à	220	23	26	12	10	ۍ د	0 4	F 48	15	31	21	15	14	13	00	0 F	35	45
	Deaths	I Year of Age.	4	1 80	930	332	27 60	17	25	10	35	16	20	6	10	69	17	49	28	12	15	23	77	1.0	39	45	38	25	24	11	00	49	12
-	ding	DEATER under	000		3117	1267	2 4	37	% 68 89	30	128	37	65	24	30	220	949	153	85	48	43	66	222	40	140	132	82	65	83	44	00	175	198
	Registered auring the Week ending	21st Sept., 1889,	6		5284	2344	88	26	48	12	233	81	136	42	52	829	73	249	128	1	77	0%	42	102	229	170	121	81	111	79	71.17	352	168
		estimated 12 to the middle of the Year 1869. B1	-	-	9,555,406	4,351,738	121,807	94,510	78,225	82,544	454.835	150,520	237,812	98,529	102,541	606,562	114,670	378,800	234,283	142,405	121,275	104,194	81.080	935.056	357,449	827,227	208,017	184,193	160,988	112,712	000 000	528,144	\$53,082
-	4			Cols.	•	٠		•		LON	•	•			٠	•								•	٠	•	•	٠		•	1		
		CITIES AND BORUUGHS.			28 TOWNS	LONDON -	BRIGHTON .	NORWICH .	PLYMOUTH .	W. OLVERHAMPTON	The state of the s	BIRMINGRAM	NOTTINGHAM	DERBY .	BIRENHEAD	LIVERPOOL .	- NOTTO'T	MANCHESTER	SALFORD.	OLDHAM -	BLACKBURN .	PRESTON -	H ALIFAX .	READRORD	LEEDS .	SHEFFIELD .	HULL .	SUNDERLAND	NEWCASTLE*	CARDIFF.	University	GLASGOW -	DUBLIN .

Table 2. LONDON .- Births and Deaths Registered in the THIRTY-EIGHTH Week of each of the Eleven Years, 1879-89.

Name of Street	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births Males Females .	2573	2599	2330	2544	2470	2498	2438	2409	2507	2463	2489·6	2344
	1270	1360	1200	1289	1258	1299	1318	1208	1291	1261	1281·7	1213
	1803	1239	1130	1255	1212	1199	1120	1201	1216	1202	1207·9	1131
Total Deaths Males Females .	1366	1441	1279	1450	1286	1315	1081	1273	1164	1293	1412·5	1267
	664	758	662	756	659	681	551	668	599	677	727·9	649
	702	683	617	694	627	634	530	605	565	621	684·6	618

The numbers in this column are the average weekly numbers in the thirty-eighth weeks of the ten years 1879-88, raised by 9 046 per cent. for increase of population,

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

_		-			_			_				LEER	** 12.2.1	
		June 29.	July 6.	July 13.	July 20.	July 27.	Aug.	Aug. 10.	Aug. 17.	Aug.	Aug.	Sept.	Sept.	Sept.
TOTAL	Births	2467	2507	2306	2627	2376	2481	2180	2715	2358	2425	2373	2432	2344
TOTAL	Deaths	1265	1350	1605	1556	1553	1532	1366	1382	1240	1263	1170	1236	1267
Ages at Death	0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - at 80 years & upwds.	572 179 232 229 53	722 168 221 205 34	902 151 232 257 63	908 164 197 245 42	898 166 228 212 49	850 161 209 261 51	739 139 222 216 50	727 160 202 235 58	628 140 197 223 52	569 172 235 240 47	535 151 219 216 49	583 164 207 233 49	599 157 248 216 47
93	\{\begin{aligned} \text{Under 1 year} \\ 1-5 \\ 5-20 \end{aligned}	315 189 68	429 208 85	617 196 89	631 197 80	599 216 83	555 193 102	468 195 76	447 195 85	387 163 78	331 156 82	306 141 88	313 204 66	332 182 85
Deaths fi	Deaths from Small-pox		1 -	-	_	-	_	-				_		
"	,, Measles ,, Scarlet fever -	33 10	31	30	29	20	25 11	15	18	9	12	9	10	3
99	" Diphtheria -	13	38	25	23	44	45	16 28	13	16	17 32	18	17	25 44
93	,, Whooping-cough	27	32	26.	29	19	22	19	17	20	21	28	18	26
27	" Enteric fever -	8	8	8	7	8	8	6	8	11	12	21	19	11
"	" SimpleContafever " Diarrhoea and)		-	2	-	1	-	1	-	-	-	1	2	1
."	" Dysentery -}	57	155	258	273	271	199	175	158	109	78	68	63	73
,,	,, Cholera		5	10	10	10	4	4	4	2	1	3	-	1
" "	" all the above- mentioned Diseases	149	278	368	383	379	314	266	254	204	173	179	175	184
"	,, Dis. of Respira-	169	143	158	141	160	182	149	162	115	148	142	152	142
"	,, Phthisis	137	138	127	136	150	126	128	135	139	149	134	137	157
"	,, Dis. of Circula- tory System	.99	94	117	102	91	110	93	111	104	93	95	102	110
Violent I Inquest C Deaths in		39 90 314	51 90 280	83 129 356	43 83 348	60 113 314	70 115 325	65 114 320	49 108 319	56 93 279	51 98 335	47 86 327	49 101 316	<b>54</b> 96
Temperature of the Air		0	0	0	.0	0	0	0.			000	021	210	324
Mean	of Highest readings -	64.1	63.3	63.0	58·7 69·9	58·1 67·7	64.9	€0.4 72.8	59·3 69·7	57.8	60.2	60.5	63.0	51.1
	of Lowest readings -	52.1	53.7	56.2	51.3	51.9	55.3	52.0	52.5	68·1 51·1	73·0 48·5	69·1 55·2	74·6 53·8	62.2
Humidity of the Air		71	71	80	80	82	76	80	82	80	74	88	76	74
2	in inches	0.02	0.00	0.72	0.43	0.90	0.50	0.46	0.19	0.98	0.00	0.54	0.00	0.25
Register	ed Sunshine (in hours)	54.1	51.3	23.0	28.1	26.5	36.5	46.0	26.8	26.2	53.9	22.6	43.4	40.2
							-	_			-			

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield. Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; F. Simpson. Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-ham; J. Harthup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.B.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq. Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the THIRTY-EIGHTH Week of the Year 1889.

CAUSES OF DEATH.				_	111	IKI	1 - F/1	GH	In	We	ek of the Year 1889.									
CAUSES OF DEATH.			Sa	turda	y, 21	st Se	ptem	ber	1889.	_		or the years	Sat	Iturds	n the	wee st Se	ek er pter	nding	1889.	
All CAUSES . 1412*5 127* 332* 182 85 187 245 210 47    Small		9		De	aths th	of Pe	rson es	s of		1		ne 10	_	De	aths	of Pe	ersor gos	is of		
All CAUSES . 1412*5 127* 332* 182 85 187 245 210 47    Small	CAUSES OF DEATH.	Avera ks of tl 1879-88	· e				ler 40.	ler 60.	TO	Sharid.	CAUSES OF DEATH.	Avers ks of th 1879-8		τ				ler 60.	er.	
All CAUSES - 1412:5 1207 532 182 56 187 245 216 47  Small- {Vaccinated   Pax   Vaccinated   Vaccinated   Vaccinated   Vaccinated   Vaccinated   Vaccinated   Vaccinated   Vaccinated   Vaccinated   Vaccinated   Vaccination   Vaccina		Wee	AGE						d und	Pard		Wee	AGE					d unc	d und	Cara
Semilar   Vaccinated   Port		Corre 38th	ALL	0-1.	1-6.		20 an	40 an	60 an	v 08		Corre 38th	ALL	0-1.	1-6.	5-20	20 an	40 an	60 an	Nan Nan
Semilar   Vaccinated   Port	ALL CAUSES	1412.5	1267	332	182	85 1	57	248	216	47	Di									
Massles					-				-	-	Special Sense †}	2.1	5	_	3	-	1	-	1	_
Massles	Small- Junvaccinated	4.7			-	-	-	-	-	-	Diseases of Circulatory	99.1	110	3	1	10	20	37	31	8
Sarate Fever	BOX	) (			-	-	-	-	-		System)				-			-	-	-1
Saarlet Perer   - 41.5   25   - 18   6   1   -	Measles	19'4					-	-		-	Croup	11:4	9	1	6	2	_	-	-	-
Relapsing Perery   0.0	Scarlet Fever	1	25			6	1	-		-	Bronchitis	104.2	75		14	100		8		3
Reaconing Foreity   0.4   1   1   -   -   1	Typhus				- 1	-	-						8	-		i	-	-	2	-
Dentition   Dent					-	-	-			-	Other Diseases of Respi- }	20.6	12	4	8	-	-	-	3	2
Danition   Disphase   Simple Continued and   O-9   1     1   The Continued and   O-9   1     1   The Continued and   O-9   1     1   The Continued and   O-9   1     1   The Continued and   O-9			_		17				_								_		_	
Disphilateria		1	_	_		- 1		1	_		Dentition †			5	5	-	-	-	-	-
Ridelinal Fever   21-3					~	**		-			Quinsy, Sore Throat † -	2.6		1		-	-	1	1	:
Enteris Fever - 2.6	Simple Continued and	0.8	1	-	-	-	-	-	1	-	Peritonitis	6.8	7	ш	-	1	1	24	8	:
Cholera		21.3	11	1	-	5	4	1	-	-	Diseases of Liver Other Diseases of)	{ }	_			-		_		_
Display   Section   Sect	_	2.6	1		-	- }	-	-	-	-	Digestive System -}	88.4	88	6	2	-	*	3	1.9	1
Corpor and Effects of   O'15		1	_	52	13	-		-	5	3							_		-	
Corpor and Effects of   O'15	Remittent Fevert		1		-	1	-	-	-	- 1	Diseases of Lymphatic	2.0	1			-	1	-	-	
Covpox and Effects of Vaccination 7 Volume 12 of 14 10 2 - 1 1 Diseases of Urinary System Volume 12 of 14 10 2 - 1 1 Diseases of Urinary System Volume 12 of 14 10 2 - 1 1 Diseases of Urinary System Volume 12 of 14 10 2 - 1 1 Diseases of Urinary System Volume 12 of 14 10 2 - 1 1 Diseases of Urinary System Volume 12 of 14 1 Diseases of Urinary System Volume 14 of 15 4 1 - Diseases of Urinary System Volume 14 of 14 1 - Diseases of Urinary System Volume 14 of 14 1 - Diseases of Urinary System Volume 14 of 14 1 - Diseases of Urinary System Volume 14 of 14 0 Diseases of Urinary System Volume 14 0 Diseases of Urinary System Volume 14 0 Diseases of Urinary System Volume 14 0 Diseases of Urinary System Volume 14 0 Diseases of Urinary System Volume 14 0 Diseases of Urinary System Volume 14 0 Diseases of Urinary System Volume 14 0 Diseases of Urinary System Volume 14 0 Diseases of Urinary System	Hydrophobia				-	- 1	-	-	-	-	Glands †)									
Vaccreal Affections		0.1			-		-	-	-	-1					-					
Veneral Affections	Cowpox and Effects of	0.2	- '	-	-	-	-	-	-	-		83.7	28		2	-	5	11	8	2
Erysipelas		12.0	14	10	2	- 1	1	1	-	-	System)						_	_		
Pysemia and Septicemin   3   3   1   - 1       -   -   -   -		6'4	1	1		-	-		-											
Puerperal Fever		3.8	1	-	-	1	-	-	-	-	System (		_		-			1		
Thrush				-	- 1	1	6	-	- 1	-	Accidents of Childbirth -	4.8	2	_	-	1	1		-	
Thrush	Other Zymotic Diseases	1.1	1		1	-	-	-						.,						
Worms and other Para-  sitieal Diseases -   Size	Thrush	3.4	3	3	-	_	-	~	_	-	System † >	7'8	5	_	1	1	2	_	1	
Starvation, Want of   2'3		0.3									D: 47.4									
Alcoholism -	sitical Diseases}			-	-		-				biseases of Integumen- tary System)	2.8	7	-	1	1	_	-	5	
Alcoholism -	Starvation, Want of	2'3	-	-	-	-	-	-	-											
Rheumatism of Heartf   Rheumatism of Heartf		4.7	8	<u> </u> -	Ŀ	-	3	5	-	Ŀ										
Rheumatism of Heart   Rheumatism   - 1   4		6.4	10	-		4	_	1	5		Fracture and Contusion			-	4	1		9		-
Content   Cont		1.4		1							Cut, Stab	0.5	-	-	-	-	1	-	Fee	-
Rickets † 2 3			2.5								Poison	0.9	2	-			-	2		-
Cancer   53 2   51     1   80   15   5   Otherwise   8 9   2   1   1       Tabes Mesenterica				1	-		-	-		-	Drowning	8.8		8	1		-	1	1	-
Tabes Mesenterica - 88 6 30 19 6 4 - 1		53.2		-		-	1	30	15				2	1	-		1	-	-	-
Tubercular Meningitis - 26 2 20 4 11 5		1		19	6	4	-			1				-				-		-
Phthisis   163 4   157   4 - 6   65   72   10   -		26.2	20	4	5		-	-	-		(Homicide.)									
Other Constitutional Diseases † } 8.5		163'4	157	4			65	72	10	-		1.3	2	1	-	-	-	1	-	-
Other Constitutional Diseases f	Scrofula, Tuberculosis -	15.4	24	8	11	3	1	1	-	-			-		-	-	-	-	-	
Premature Birth -	Other Constitutional	8.5	13	-	1	1	4	4	3	-										
Premature Birth - 55'3 41 41				-			-	-		-	Cut. Stab	1.4	2	1-			ī	ī	-	-
Atoleotacis + 1.8						-	-	-	-	-	Poison	1.3	1 7	1 -		-	-	1	1 -	-
tions		1	1	1	-	-	-	-	-	-	Hanging	1.3	-			-		-	-	-
Old Age 41.0	Congenital Malforma-	5.8	9	9	-	-	-	-	-	-	Otherwise	0.7	1	1	1-	-	-		-	_
Apoplexy 38'8 30 1 12 16 1 Hanging 0'0		41.0	46	-	-	-	-	1	26	19	(Fyransia)									
Epilopsy 8:1 10 - 1 2 3 3 1 - Convulsions 41.7 38 33 5 Other Diseases of Brain 1 77.3 61 6 10 8 4 13 10 2	Anonlows	0000	90				1	10	10	1		0.0	1	-	-	-	-	-	-	
Convulsions 41.7 38 33 5 Other Diseases of Brain \ 77.3 61 6 10 8 4 13 10 2					- (	2	2	_			Transing .	_			-			-	-	-
Other Diseases of Brain \ 77.3 61 6 10 8 4 12 19 2 OTHER CAUSES † - 65.6 53 46 3 2 2					-1		-	-	1			1						-	1	1
and Alerrone System )	Other Diseases of Brain	77.9			1		4	12	19	2	OTHER CAUSES † -	- 65°6	53	46	3	-	-	2	2	
	and Nervous System	,			1-		1	-	-	1	11-	1		1	1	} -	1		1	

<sup>\*</sup> The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9'046 per cent. for increase of population

These cases of small-pox only are returned as "vaccinated" or as "unvaccinated," which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

TABLE 5. LONDON. -FOPJLATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

							-						dur			77 66	. еп	nug
					h		The	DEA	THE		hs fr	in the	We	Kin	inde			_
REGISTRATION	Enume-			Deat	hs of			1			us II		-	1	1		olie	808
SUB-DISTRICTS.	Popu-	IRTES	DEATES.	under of Age.	aged 60			VOF.		hooping-cough		(or	Simple con-			Cases.	Publie	Causes
SUB-DIGITALO255	1881.	B		ts ur	TB B	l-pox	les.	et Fe	herie	ping	us.	ie (	le co	hos.	nee.	900	ituti	titled
		Total	Total	Infants Year	Persons Years	Small-pox.	Measles	Searlet Fever.	Diphtheria,	Who	Typhus	Enterie (o	Simp	Dierrhos	Violense	Inquest	Deaths in Pu	Uncertified (
I ONDON	3,815,704	2344	1267	332	263	_	3	25	44	26	-	11	1	73	54	96		
LONDON	669,633	361	240	47	60	_	1	4	15	8	-	3	1	5	8	19	324 83	12
North Districts	905,947	536	261	78	48	-	1	6	11 2	4	-	8	-	20 7	10	15	69	2
CENTRAL DISTRICTS	282,238 692,788	128 461	91 253	76	12 50	-	-	6	9	8	-	2 2	-	21	9	23	70	1
ROUTH DISTRICTS - METROPOLITAN ASYLUM HOS-	1,265,148	858	422	114	98	_	1	9	7	15	-	2	-	20	21	29	74	7
LONDON			-		-		-		-		-	-			-	-	-	-
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 37380	45 9	19	7	5 2	-	-	-	1	-	-	-	-	1	1 2	4 4	2 7	-
Kensington Town Wiv - W.M. & C. Brompton H - W.M. & C.	120141 48010	53 8	54	10	22		-	-	2	-	-	1 -	-	1 -	-	2	22	-
St. Peter Hammersmith St. Paul Hammersmith Fulham Weeve - W.M. & C.J.	7599 64340	. 5 49	1 23	6	3		ī	- 4	2 5	ī	-	-	-	ī	1	1	- 4	-
Oheles South HHH We	0396 04095	65 13	36 11	2	9 8 8	-	=	-	1	ĩ	-	-	1	-	-	-	14	-
Chelsea North-west WHHHHH. C. Chelsea North-east - C.	24925 32807 80353	14 24	18 5 8	1 1 1	4	-	-	-	1	-	-	-		2	H	-	13	-
Belgrave WHHH C.	59220 35496	7 80 17	14	1	1	-	-	-	1	-	-	1 -	-		2	3 -	7 3	-
St. Margaret Westminster H - C. St. James Westminster WHH N.R. & G.J	24679 29941 16608	6	18	5	1	-	-	-	-	1	-	-	-		1	1	3	-
North Districts.		6	6															
All Souls Marylebone HHHH - W.M. Cavendish Square HHHH W.M. Pastow Marylebone WH G.J. & W.M.	26759 14891 24809	11 5	15	4	3 -	-	-	-	=	-	-	-	-		1 -	2 -	10	=
All Souls Maryleone THEHE - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb, HHH G.J. & W.M. Christohurch Marylebone HH - W.M. 88 John Marylebone H - W.M.	21118 33700	27 17	3 5	1 2	1	-	-	-	=	ī	-	-	=	1	-	ī	-	-
Hamnstead Www W.R. & W.M.	45452	16 24	20	5	2	-	-	5	1	-	-	1	-	-		-	10	1
Regent's Park Paneras H - W.M. Tottenham-eourt wHHHHH N.R.&W.M. Gray's Inn Lane HHH - N.R. Somers Town H - N.R.	89115 27729 30247	21 11	10	5 2 2	1 5 2	=	-	-	i	1	-	-	-	1	1	2	12	=
Gray's Inn Lane $HHH$ - N.R. 80mers Town $H$ N.R. Camden Town $WH$ N.R. Kentish Town $W$ N.R.	84369 17811	12 28 14	14 19 7	9	8	-	-	-	-	ī	-	-	-	3 -	1	1	4 2 5	-
Upper Holloway WWWH N.R.	87487 67946 100976	54 54	24 25 20	7 4 8	7	-		-	1 - 1		-	1	-	3 - 4	2	1	10	- 1
Upper Holloway WWWH - N.R. islington South-west HH - N.R. Islington South-east - N.R. Highbury H - N.R.	61895	59 87 21	15 8	4	2	-	-	-	-			-	-	1 2	1 -	1 -	1 -	-
Stoke Newington H N.R. Stamford Hill E.L.	22781 9277 87610	18 11	5 1 8	1 1 3	1 - 1	-	1 1 1		-	-	-	-	-	-	1	1	-	-
Stoke Newington H - N.R.   Stamford Hill - E.L.   N.R.	76911 39883	25 45 21	30	6 8	2 -	-	1 1	1	7	-	-	1	-	8	1 -	1	12	1
CENTRAL DISTRICTS.	16681	10	5	2	-	_	1	-			_			_	-		_	
St. George Bloomsbury N.R. St. Giles South WH N.R. St. Giles North N.R.	14864 18837	10	1	-	2	-	-	-	-	-	-	=	-	-	1 -	1	2	
St. Martin-in-the-Fields HH N.R. & C. St. Mary-lo-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	17508 7515 8559	1 3 2	7 2 5	1 -	1		, , ,	-	-		-	1	-	1	1 - 2	1 - 8	5	-
N. 1200 -the-Marter HHHHHHH N D	18671	- 8	9	2		-		-	2	-	-	-	-	-	1	0 1 1	3	-
St. Andrew Eastern W - N.R. Saffron Hill H N.R. St. James Clerkenwell - N.R.	10706 6538 17516	4 8 9	1 8	3	-	-	1 1 1	=	=	-	-	1 1 1		1 - 3		1	1 1 1	-
Amwell Clerkenwell N.R.	19281 14773 17506	18 9 7	8	2 2	1 2	1 1 1	-	-	-		-	-	9 1 1	-	1 1 1	1,11	-	=
Old-street H N.K.	11541 18628	6 16	5 2 4	1	-	-	-	-		ī	-	-		1 -	1 1 1	1	-	-
Whiteeross-street N.R. Finsbury - N.R. Holborn Union Workhouse, Mitcham, w.	9217 7468	8 3	1 1	ī	1 - 1	1 1 1	-	-		-	-	1 1	-		-	-	-	-
St. Botolph H - N.R.&E.L.	11174	6 5	5 8	8 2	ĩ	-	-	-	-	-		-	-	1	1 1 1	1	1 -	2
St. Sepulchre H N.R. St. Bride W N.R. Allhallows Barking - N.R.	5358 8396 18666	2 -	11 - 8	1	1	-	-	-	-	-	-	1	=	-	2	3 -	10	=
Broad Street H N.R.	5652	î	-	-	-	-	-	-	-	J	-	-	-	•	=	-	-	-

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse H-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving inmates from other Districts than that in which it stands see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts: -G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East London and K. the Kent Company.

ER, DICHTHERIA, WHOOPING-GOUGH, FEVER, DIARRHEA, VIOLENJE, &c., registered in each Sus-district

ırday, the 21st September, 188	9.																	
**					-		The	DEA	THS T	ogiste	red in	n the	Wael	k inel	ude			
	Enume-			Deat	-				I	eath	fron						9	2
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Intants under l Year of Age.	Persons aged 60 Years at upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fever	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deatns in Pubn	Uncertified Causes of Death.
EAST DISTRICTS.   ywell Shoreditch - N.R. & E.L.  Leonard Shoreditch HL*, - N.R.  xton New Town w N.R.  xton Old Town N.R.  Egerston WH N.R. & E.L.	7376 14967 29937 28036 46275	6 5 19 12 27	2 4 14 9 13	- 1 3 2 6	- 4	1111	11111	1 1 -	- 111-	1	1111	1	11111	1 - 2	11111	1 1 1	- 8 - 8	1
ekney-road H E.L. sen, Bethnal Green WHL* - E.L. urch, Bethnal Green E.L. wn, Bethnal Green E.L.	29788 47932 29981 19310	22 35 25 13	5 24 10 7	1 5 5 4	2 4 1 1 1	1111	1111		1 1	1		1111	1111	1 -		1 1 1 1 1	9 -	111
talfields E.L. & N.R. le End New Town W - E.L. & N.R. uitechapel Church H E.L. & N.R. odman's Fields E.L. lgate N.R. & E.L.	22585 35478 17490 9713 6102	9 17 10 8 4	10 17 2 2	5 4 1 2	1 8 2 -	1111	11111	11111	11111	11111		11111	1111	1 -	2 -	2	5 11 -	4 1 1 4
George's North E.L. John, St. George East W - E.L.	88747 8410	28 4	11	5	2 5	-	-	ī	-	-	-	-	-	8 -	B	-	9	-
adwell HH - E.L. & N.R. teliff - E.L. mehouse - E.L.	10895 16107 82041	7 9 23	10 8 9	7 1 4	- 1		111	111	1		1.1.1	111	111	3	1 -	ī	6	
le End Old Town West - E.L. le End Old Town East WwwH- E.L.	87960 67653	29 48	9 22	1 6	2 4	-	-	3	2	-	-	- 1	-	1 2	1	1 2	- 8	-
omley $wwwH = E.L_{\circ}$ oplar, $WWH = E.L_{\circ}$	37074 64359 55077	21 48 87	8 34 13	3 6 4	2 11 3		-	-	111					-	3 1	: - 7 2	1 13 2	
SOUTH DISTRICTS.  Saviour Southwark WH L. & S. Saviour Southwark - S. Int-road - S. & L. Intough-road WH - S. & L. Indon-road HL - L. & S. Inity Newington - S. & L. Many Newington - L. & S.	18663 14999 21381 15953 21318 26672 59555 21623	7 -5 19 15 12 14 19 16	4 4 4 10 6 6 17 7	1 -4 2 3 2 6 3	1 1 2 - 4 1		1111111		1111111	1 1 1	1111111		111111	1 1	111	1 2 1	2 - 1	1
Olave $WH$ S. & L.  Anter Market S. & L.  Mary Magdalen $W$ - S.  James Bermondsey - S.  therhithe $WH$ S. & K.	15669 54682	10 14 18 30 9	17 3 6 9 8	1 1 3 2	1 1 3 -		1 -	1 -	- 1	1	1111		11111	2 - 1	3 -	4 -	11 - 2	.1
aterloo-road 1st $H$ & S. aterloo-road 2nd $H$ & S. sumbeth Church 1st $H$ & S. sumbeth Church 2nd $WW$ & S. at 2 & S. at 2 & S. at 2	19876 39859 45282	9 21 9 30 29 19 34 8	3 23 23 14 5 20 9	2 4 5 5 1 9 1	1 2 11 8 1 8 4	1111111	11111111	111111111	1 - 12	2 2 1	1,111111	1111111	11111111	1 2	3 1	1 1	15 11	1
ust Battersea	54675 52587 36380 28004 18235 25563	88 49 21 21 4 22	10 26 6 6 8 4	2 4 3 8 1 1	1 1 1 1	11111	1.1 1 1 1 1 1	1 -	1	1 1		111111	11111	1 - 1 -	1	1 1 1 -	3	1
ulwich L. & S imberwell WwL*L* - S. & L ickham W S. & L George Camberwell - L. & S	71089	5 43 52 48	2 26 17 14	- 4 6 3	1 8 3 4	1111		1	1111	1111		1111	-	1	1	1 1 1	12	2
Paul Deptford ww K. Nicholas Deptford K. teenwich West H K. teenwich East WHH K.	76752 7901 21972 24603	55 4 21 14	87 8 7 13	12 1 2 5	9 - 1 2	1111	1,11,1	- 5	2 -	1 1 -		1 -	1	3	1	1 1 1	9	1.1.1.1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	3 8 17 16	2 7 9 4	1 2 1	1 2 4 1	1 1 2 1		1 - 1 - 1			1111	1111		1	1	1 -	2 -	1111
pariton $H$ $K$ .  Colwich Dockyard $K$ .  Colwich Arcenal $HH$ $K$ .  Umstead, West $H$ $K$ .  Umeread, East $W$ $K$ .	10930 17617 1904: 14009 19241	5 16 20 6 28	9538	1	1 2 1 2	1111	1111	11111	11111	1 -		1	1111	1 1 1 1 1	1 1	1 1 1		1 :
etropolitan Asylum Hospitals: Dartford w Winchmore Hill w		=		-	-	-	11.0	-		1		- 1 -	111	-	- 1 -			-
he following WORKHOUSE Establish			TORNAL PROPERTY.	CHARLES CHARLES	- Spelicarcelos	7 3 5 . 40	MEZICAL PROPERTY.	h 0			or or in to	Phow	4500	1 90	1 472	inie	hear	i the

The following WORKHOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the over Table by so:-

Marylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum in Tottennam Court-road sub-district.
Holborn infirmary
in Upper Holloway sub-district.
London City Workhouse

Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

Private Lunatic Asylums in which paupers are received.

Stepasy Workhouse in Bromley sub-district.

Popuar & Stepaey Siex Asynum
Wessumister Union Industrial Sebool in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Indimenty in Camberwell sub-district.

Metrophitan Asynum District Hosmitals in Fudam, Hampstead, Hash-ney, Britton, and St. Paul, Deptford sub-districts, and in Partford,

Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LUNDON .- OUTER RING. - AREA; POPULATION: Birtels and Deates registered during the

2 Epsom (part of) * Wwith  971 10710 5 1 1		o.—IONDON.—(			eek e	ARE	Satu	rday,	21st	Sept	embe	r, 189	39.						
Carlon   C	egis-									The D	EATHS	regist	ered J	n the	Week	includ	e		
Sum-bers   Sum-bers	_		Acres,	Enume-			Dea	ths of				Death	s fron			5.000			9.
Sum-bers   Sum-bers	_	REGISTRATION			3	Pus	7.	.60°		1	1.		ngu.	1	1	1		ablie	Susp
Num.  LONDON — OUTER RING 570.924 500.907 707 383 58	_	SUB-DISTRICTS.			THE	EA	ind?	agod upv	H		OVOF	38.1	00-8		1 3		Case	n P	led (
LONDON - OUTER RING   970-224   990,937   777   928   98   88   2   7   7   7   8   10   6   15   27   5	_			1881.	eq		nts o	ons ars &	ll-po	sles.	let F	the	nido	- ale	rlice	ense	Jest	ths i	Bertil
30   1   Carshatton wL   1929   21115   10   15   1   4   3   1   0   - 0   2   Epsom (part of) * with open of the point o	bers.						Infa	Pere	Sma	Mea	Soar	Dipl	Who	Fer	Dian	Vio	lag	Dea	Und
30   1   Carshatton wL   1929   21115   10   15   1   4   3   1   0   - 0   2   Epsom (part of) * with open of the point o	LON	DON-OUTER RING	870.924	950 957	767	228	98	68		2	7	7	7	8	19	6	13	27	5
Second   S				000,001			-	-		-	-	-	-						
37:1   Goldstone (part of) * - 37:4   1055   - 1   - 1	_				10	16	1	4	-	-	-	-	3	1		-	-	9	-
Second   S				10710	5	1				-	7	•	•	•	1	-		-	
Micham wf			2754	1235	+	1	=	1	-	-	-	-	- 1	-	-	-	-	-	
Sep   1   Wimbledon   HHH   -	_					_	9	_	-	-	1	-	_	-	3	-	1	2	-
Singston	89:1			_			2	-	-	-	-	-	-	-	1		-	-	-
## Hampton ## - 4573 [1859] 4 8 8 1 1 1 1 1				36354	22	9	1	_	-	-	-	-	-	-	_	-	-	-	
40   1   Richmond   WH -				_			1			-	-	-	-	-		-	-		
41:1   Bromley (pt. of) * HH   16:99   31142   40   9   5   2   1   1   1   1	_				10	_	-	2	-	-	1	-	-	-		-	-	1	-
2 Chishrat(pt.of)* WHH 14307 13844 4 8 8 2 8 8 1 1 - 1 1 1 1 1 1 1 1 1			_			_	-			-	~	,			_	-	1		•
2   Dartford (Ww, pis, of)				_		_	1	_	-	-	_	-	-	-	_	-	-	_	1-
124:1   Sunbury				24134		G	2	_	-	-	-	-	-	-	_	1	1	-	-
2 Staines W 18277 12989 10 7 2 3 3 1 - 1 - 1 1 1251 HILLINGTON WHH - 6029 108092 11 5 - 2 1 1 1 1 - 1 -				11685		-							_	-		-			
2   Uxbridge	_					3	2		-	-	-	-	-	-	_	-		1	-
1961   Ialeworth Will	125:1						-	2	-	-	-	- 1	-	-	-	-	-	1	
2 Twickenham H-	8			_		9	_	-	-	_	-	-	-	-	-	-	-	-	
S   Brentford   HL   -	_			_		1	1		-	-	-	1	-	-	-	1	1	3	-
4 Chiswick 1340 15375 9 4 1 1 1 1	8					- 4	5		_		-	-	-	-	_	_	1	_	_
127:1   Harrow $H$   13999   12796   4   1   - 1           -	4				9	5	- 1	1	-	-	1	-	-	-	-	-	-	-	
2 Edgware H 6994 3749 2 3 1 2 1 - 1 - 1 - 2 3 Willesden 4383 27453 87 11 3 2 2 2 2 1 2 - 2 137:1 Bushey 9331 6621 3 3 2 1 1 2 - 2 2 137:1 Bushey 9331 6621 3 3 2 1 1 2 - 2 2 137:1 Bushey 9331 6621 3 3 2 1	127:1						4			-				_		1	1		
4 Hendon W 8332 10434 17 6 1 2 1 2 - 2  137:1 Bushey 9331 6621 8 3 2 1 1 2  2 Watford (W, pt. of) *	2	Edgware H	6994	. 3749		· · · 2	1	2	-	-	-	-	-	-	1	_	1	-	-
137:1   Bushey   9331   6621   3   3   2   1	3 4					9	- 1	_	-	-	-	-	-	-		- 1	2		2
128: 1   South Mimms	137:1			1			1	1	-	-	_	-	-	-	-	-	-	_	
2 Barnet 5433 10392 5 1 3 5 Finchley HL 4838 17615 16 6 2 2 2 3 133:1 Hattield (part of) * - 3306 583	_		-	-		-	-	-	-	-	-	-	-	-	~	-	-	-	
3 Finchley HL 4338 17615 16 6 2 2 2 3 13131:1 Hatcheld (part of) * - 3308 533	_					•	-	- 1	-	-	-	-	-	-	-	-	-	-	
129:1   Hornsey   H   3039   37078   24   10   3   3   3				1			2	2	-	-	-	-	-	-	-	-	-	3	-
2 Tottenham H 4342 43455 61 28 14 5 1 - 1 3 Edmonton Ww ‡ - 7453 23453 26 6 1 3 1 - 1 - 3 Edmonton Ww ‡ - 7453 23453 26 6 1 3 1 1 - 3 Waitham Abbey - 11017 8333 3 1 1 1 Cheshunt 8490 7785 4	_		}			-	-	-	-	-	-	-	-	-	-	-	-	-	
3 Edmonton We t - 7453 23433 26 6 1 3 1 - 3 - 4 Entield WH - 12558 19104 17 6 3 1 1 1 1 1 5 Waltham Abbey - 11017 5838 3 1	2							_	-	-	-	1		1	-	-	-	-	-
5 Waitham Abbey - 11017 5333 3 1				_	26	6	1	3	-	-	-	-	-	-	1	-	-	3	-
186 : 1   Stratford	5	Waltham Abbey	11017	_		_	3		-		-	-	-	-		-		-	
2 West Ham wwwwHş- 7351 101053 130 41 17 5 - 1 3 1 1 - 2 1 1 1 1 - 3 1 1 1 - 4 1 1 1 1 - 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1						-	-	-	-	-	-	-	-	-	-	-	-	-	-
3 Leyton WoL - 4372 32430 32 10 2 4 1 - 1 - 1 2 - 4 Waithamstow H - 6530 28869 30 14 3 3 1 - 2 1 187:1 Chigwell (part of) * H 11761 9639 5 1		West Ham wwwwH§-				,			-			1	1	-	_	1		1	-
187: 1 Chigwell (part of) * H 11761 9639 5 1				_	_	10	2	4	-	-	-	1	-	1		-			1-
2 Epping (W, pt. of)*				_			-	3				1	-	-	2			-	1
2 Ilford 8493 7645 13 3 2 1	2			-		-	-	-	-		-	-	-	-	-	-	-	-	-
2 Partie Many						. 3		-	-	-	-	-	-	-	~	-	-	-	-
	_				_	_	1	_	-	-	-	-	-	-	-	-	-	-	1

<sup>\*</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as follow - 80:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the carishes of Warlingham and Farley in Godstone subdistrict; 39: 3, Esher sub-district, except the parish of Esher (pop. 1993); 41: 1, Bromley sub-district, except the parish of Cadhan and Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chelsdeld (pop. 947); 185: 1, the parish of Northaw in Hatdeld sub-district; 187: 1, Chigwell sub-district, except the parish of Chelsdeld (pop. 947); 185: 1, the parish of Northaw in Hatdeld sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189: 1, the parish of Dagendam in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 187: 2, Watford, and 187: 1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

<sup>‡</sup> Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore IIIII (see Table 5). § Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

PABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 21st September, 1889.

GREATER	Area in Acres.	Estimated	of Mor	L RATE	DEATHS	Deat	The Da	ATES	rėgi		l in t			nelud	.e	oi .
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhea.	Violence.	Deaths in Public institutions.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	_
ATER LONDON	448,334	5,642,015	14.7	2.1	1593	430	331	-	5	32	51	33	15	92	60	351
NNER LONDON .  OUTER RING .	77,410 370,924	4,351,738 1,290,277	15·2 13·2	2·2 1·8	1267 326	332 98	263 <b>6</b> 8	61	3 2	25 7	44	26	12	73 19	54 6	324 27

TE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 00.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,657,164 Persons.

F.	Population				ANNUAL	Di	SATHS		PRIN DISEAS	ES.	Zүмо	_
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive	DEATHS. of Stillborn.	DEATH- BATH- per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosal Diseases.
CUTTA	433,219	August 3	-	210	25*2	-		-	-	_	83	30+
MBAY	773.196	July 20	266	449 325	25.7	2 1 1	3 12	2	2.0	2	117	55†
DRAS	398,777 {	July 26 August 2	314 324	309	42·3 40·2	1	15	į	5	5.0	86 67	70† 69†
318	2,260.945	September 14	1150	867	19.9	5	12	3	30*	13	25	107
8 Faubourgs.)	471,606	,, 14	245	159	17°5	-	-	San .	-	-	4	19
STERDAM -	403,083	,, 14	267	120	15.6	-	1	2	4	3	1	-
TTERDAM -	197,723	,, 14	120	56	14.7	-	1	-	-	-	-	2
B HAGUE -	153,440	,, 14	118	52	17.6	-			1	**	-	-
PENHAGEN -	307,000	,, 14	188	117	19.9	-	-	1	7	4.	3	12
CKHOLM -	228.218	. 7	125	69	15.7	-	-	2	1	1	-	11
RISTIANIA -	138,300	,, 14	53	46	17.3	-	2	1	9	3	-	3
PETERSBURG	842,883	" 7	-	459	28*4	-	16	10	12	5	12	67
RLIN	1,489,672	August 31	863	552	19.2	-	2	4	21	3	4	110
MBURG(State)	675,276	September 7	418	288	26.1		-	2	9*	6	9	43
ESDEN	264,196	7	149	103	20.3	-	1	-	8*	5	1	10
SSLAU	315,000	,, 14	234	144	23.9	-	-	-	12*		3	15
MICH	281,000	22 7	197	154	28.5	-	-	2	2*	2	-	48
INNA	811,434	. 39 7	511	260 144	16·7 24·7	-		3 3	7	2	1 2	37
OA-PESTH -	304,356 452,907	7	332	237	27.2	2	1	3	10		14	6 34
RETR -	158,084	» 7	- 004	77	25.3	-	-	-	3*	-	~	20
13 · ·	404,449	July 20	241	214	27.6	1	2	-	. 8	2	7.5	31
318 (10 days)-	306,398	August 20	273	207	24.7	-	13	-	4	3	5	42
CICE	153,375	,, 31	83	74	25*2	6	1	-	1	3	1	8
BO .	374,838 {	,, 22	392	353	49·1 47·9	2	2	-	3*	1 2	14 25	148 148
	51	33 29 22	368 186	344 165	37.2	1	-	-	1	2 3	8	50
XANDRIA -	231,396 {	29	200	172	38.8	-	- 1	-	1	1	4	65
W YORK -	1,571,300	,, 31	-	675	22.4	~	1	1	22	14	17	105
DOETAN -	814,505	,, 31	-	307	19*2		1	3	14	3 5	4	39
LADELPHIA -	1,040,245	,, 31	**	410	20.6			2	1	2	21	29
LTIMORE -	500,343	,, 31	-	168	17.5	-		2	1	Z	7	27
100												

Including deaths from croup.
 Including 4 deaths from cholera in Calcutta, 8 in Bo mbay, and 1 in each week in Madras.
 Including 5 deaths from malarial fever.

TABLE 9 .- METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, September 21sr, 1889. FUnder the Superintendence of the Astronomer Royal.

Part   Part	repedings are registered by the Clerk of the Market, under instructions from the orporation of London. The record of Electrometer. The The record of Electrometer. The Thiose employed are:—-R, positive; N, negative; w, weak; in, moderate; s, strong; and variable. The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the numbers of bright sunshine on each day.  The results of all the meteorological observations are to be understood as applying to the vil day, or from miduight to miduight.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ectron e; s. st instrui s appl;
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1 28.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	their readings are registered by the Clerk of the Market, under instructions from Corporation of London. The Corporation of London. The record of Lelectricity is derived from Thomson's self-registering Electrometer. The record of Electricity is derived from the Campbell-Stokes Sunshine Instrument, the numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, The results of all the meteorological observations are to be understood as applying civil day, or from miduaght to miduight.  The reading of the baronneter increased from 30·18 in. at the beginning of the week togs) with the state of the week togs).
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High- Series San's	
	Fine and partially cloudy till afternoon; variable rewards. A heavy shower fell between 83th. P.M. ad 4h. P.M. Fine with light clouds till noon; cloudy afterwards. howery is afternoon. Very cold.
Degree   Colon   Colon and eventure   Colon and e	noon; tween; udy aft
The control of the	till after or fell bet noon; elc cold.
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	Fine and partially c and 4h. P.M. Fine with light cloud Showery is atternous.
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### OFFICIAL COPY.

# WEEKLY RETURN

#### DEATHS IN LONDON AND BIRTHS

AND IN

# TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

WEEK ENDING SATURDAY, SEPTEMBER 28. Price  $1\frac{1}{2}d$ . No. 39, 1889, Vol. L.]

> General Register Office, Somerset House, 30th September, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.9 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	7	Weeks	ending				Weeks	ending	
Towns.	Sept. 7.	Sept.	Sept.	Sept. 28.	Towns.	Sept.	Sept. 14.	Sept.	Sept. 28.
Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull - Leeds -	17·3 19·4 20·5 18·2 15·0 13·9 19·0 15·9 16·1 16·9 17·6 18·8	$\begin{array}{c} 15 \cdot 0 \\ 26 \cdot 7 \\ 20 \cdot 9 \\ 14 \cdot 2 \\ 13 \cdot 3 \\ 18 \cdot 0 \\ 16 \cdot 2 \\ 27 \cdot 0 \\ 15 \cdot 7 \\ 18 \cdot 1 \\ 17 \cdot 4 \end{array}$	14·7 18·5 20·9 17·5 12·4 15·5 20·4 12·7 14·2 18·5 20·6 20·4	28·0 21·4 15·3 17·1 18·4 19·0 16·9 20·6	Newcastle-on-Tynes Norwich - Nottingham - Oldham - Plymouth - Portsmouth - Preston - Salford* - Sheffield - Sunderland -	14·0 20·7 26·9 18·2 16·9 15·0 25·4 19·6 26·0 18·3 14·8 20·6	19.6 14.8 21.1 25.6 16.0 14.7 16.1 31.4 18.5 27.5 13.4 18.7 25.7	15·2 21·1 26·9 20·4 14·3 17·6 22·7 15·1 27·5 18·3 21·0 25·3	$\begin{array}{c} 16 \cdot 3 \\ 24 \cdot 5 \\ 27 \cdot 2 \\ 14 \cdot 9 \\ 12 \cdot 5 \\ 14 \cdot 7 \\ 32 \cdot 7 \\ 19 \cdot 6 \\ 31 \cdot 0 \\ 17 \cdot 1 \\ 19 \cdot 5 \\ 27 \cdot 6 \end{array}$

The highest annual death-rates, measured by last week's mortality, were:-from measles, 1.0 in Newcastle upon-Tyne and 1.1 in Norwich; from scarlet fever, 1.3 in Blackburn and 8.0 in Plymouth; from whooping-cough, 1.3 in Plymouth and in Wolverhampton; from "fever," 1.1 in Salford and in Portsmouth, and 1.3 in Halifax; and from diarrhæa, 2.7 in Sunderland, 2.9 in Newcastle-upon-Tyne, 3.2 in Bolton and in Wolverhampton, 3.9 in Blackburn, and 6.0 in Preston. The 60 deaths from diphtheria in the twenty-eight towns included 44 in London, 4 in Portsmouth, 3 in Manchester, 3 in Salford, and 2 in Plymouth. Small-pox caused no death in any of the twenty-eight great towns.

LONDON.

In LONDON 2504 BIRTHS and 1361 DEATHS were registered. Allowing for increase of population, the births were 205, and the deaths 43, below the average numbers in the corresponding weeks of the last ten years. The annual average numbers in the corresponding weeks of the last ten years. death-rate per 1000 from all causes, which had been 14.0, 14.8, and 15.2 in the three preceding weeks, further rose last week to 16.3. During the thirteen weeks ending last Saturday the mean death-rate was 16.5 per 1000, and was 2.5 below the mean rate in the corresponding periods of the ten years 1879-88.

The 1361 deaths included 7 from measles, 22 from scarlet fever, 44 from diphtheria, 23 from whooping-cough, 2 from typhus, 19 from enteric fever, 1 from an ill-defined form of continued fever, 80 from diarrhæa and dysentery, and not one from small-pox or cholera; thus, 198 deaths were referred to these diseases,

being 17 below the corrected average weekly number.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

No death from small-pox was registered, the corrected average being 5; and no case of this disease was under treatment during the week in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had numbered 10 and 3 in the two preceding weeks, rose again last week to 7, but were 14 below the corrected average. The fatal cases of scarlet fever, which had been 17 and 25 in the two previous weeks, declined again last week to 22, and were but half the corrected average; 3 belonged to Pancras, 2 to Fulham, 2 to Mile End Old Town, 2 to Bermondsey, 3 to Lambeth, and 2 to Greenwich sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1247 scarlet fever patients on Saturday last, against numbers increasing in the thirteen preceding weeks from 559 to 1171; 166 cases were admitted to these hospitals during the week, against 196 and 128 in the two previous weeks. The deaths from diphtheria, which had been 30, 41, and 44 in the three preceding weeks, were again 44 last week, and exceeded the corrected average by 24; 4 belonged to Kensington, 2 to Hammersmith, 2 to Westminster, 3 to Pancras, 2 to Islington, 4 to Shoreditch, 3 to Bethnal Green, 2 to Whitechapel, 3 to St. George in the East, 3 to Newington, 6 to Lambeth, and 2 to Camberwell sanitary areas. The 44 deaths from diphtheria included 18 in hospitals; and on Saturday last 122 cases of this disease were under treatment in the Metropolitan Asylum Hospitals, 23 having been admitted during the week, against 28, 18, and 24 in the three previous weeks. The fatal cases of whooping-cough, which had been 28, 18, and 26 in the three preceding weeks, declined again last week to 23, and were one below the corrected The deaths attributed to diarrhea and dysentery, which had been 68 and 73 in the two previous weeks, rose last week to 80, and exceeded the corrected average by 6; 58 were of infants aged under one year, and 8 of children aged between one and five years.

The deaths from enteric fever, which had been 21, 19, and 11 in the three preceding weeks, rose again last week to 19, but were 4 below the corrected average; 2 belonged to Pancras, 2 to Hackney, 2 to Bethnal Green, 2 to Wandsworth, and 2 to Greenwich sanitary areas. The two fatal cases of typhus occurred in the Homerton Fever Hospital, and were of patients admitted from Bethnal Green and Mile End Old Town sanitary areas. The death of a male aged 69 years in Battersea was attributed to "exhaustion following simple continued fever." The Metropolitan Asylum Hospitals contained 86 cases of enteric fever, and 1 of typhus, on Saturday last; 13 cases of enteric fever were admitted during the

week, against 13 and 12 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 152 and 142 in the two preceding weeks, rose last week to 189, but were 34 below the

corrected average.

Different forms of violence caused 62 deaths, concerning all but 3 of which inquests were held. Of these 62 deaths, 7 were cases of suicide, and 2 of murder or manslaughter, while the remaining 53 were attributed to accident or negligence. Eleven of these 53 deaths were caused by vehicles in the streets, 2 by burns or scalds, 9 by drowning, and 14 of infants aged under one year by suffocation.

The two deaths from hydrophobia were of a painter from Chigwell, aged 51 years, in the London Hospital, who had been bitten by a dog in June last; and of a girl from Tooting, aged 13 years, in St. Thomas' Hospital, who was bitten by

a dog on the 2nd of August last.

GREATER LONDON.

In Greater London 3267 births and 1699 deaths were registered, corresponding to annual rates of 30.2 and 15.7 per 1000 of the estimated population. In the Outer Ring 15 deaths from diarrhea, 10 from diphtheria, 10 from whooping-cough and 8 from scarlet fever were registered. Three fatal cases of diarrhea were registered in Croydon, in Enfield, and in Chigwell sub-districts. The deaths from diphtheria included 3 in Chigwell, 2 in West Ham, and 2 in Hillingdon subdistricts; and of the deaths from scarlet fever, 3 occurred in West Ham and 2 in Twickenham sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.69 ins.; the lowest reading was 29.32 ins. on Tuesday afternoon, and the highest 30.01 ins. at noon on Thursday. The mean temperature of the air was 50°.6, and 5°.2 below the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably below the average on each day of the week, except Friday, when it showed an excess. The direction of the wind was variable, and the horizontal movement of the air averaged 14.2 miles per hour, which was 3.5 miles above the average in the corresponding weeks of 16 years. Rain fell on which was 3.5 miles above the average in the corresponding weeks of 16 years. Rain fell on Tuesday, to the amount of 0.85 ins. The duration of registered bright sunshine in the week was 17.4 hours, against 21.7 hours at Glynde Place, Lewes.

TABLE 1 .- BINTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 28th September, 1889.

															,, 0,			_				_		_	_	<del>-</del>			_
	CITIES	BOROUGHS,	Cols.	- 28 TOWNS.	London.	PORTSMOUTH.	PLYMOUTH.	BRISTOL. WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	BIRKENHEAD.	LIVERPOOL.	BOLTON.	MANCHESTER.	OLDHAM.	BLACKBURM.	PRESTON.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	STADERTAND.	NEWCASTLE.	CARDIFF.		EDINBURGH.	DUBLIE.	
ALE.		In Centi-	24.	2.39	2.16		3.58	90.7	1	1	3.26	1	2.16	1		1	1	ı	'	1.24	1	3 6	70.T	1-22	1	ı	0.15	1.05	
RAINFALL		.asdonI al	23.	0.94	0.85	1	1.29	1.60		1	0.1	,	0.82	•	1	, ,	•	1	,	0.49	2	1 000	09.0	0.48	1		90.0	04.0	
AIR.	in.	Centigrade.	22.	9.26	10.33	1	11.33	8.22	1		87.8		68.07	•	1		ı	1	1	60	1	8 000	19.8	68.8			8.20	00.0	
OF THE	Mean.	Vahrenheit.	21.	49.5	50.6		52.4 1	46.8		1	8.47	1 1	2.09	•	,	1 1		1	1 1	0.47	1	1	47.5	0.87	,		47.8	50.09	
ATUBE	*41	LOWes	20.	32.9	1.98		40.0	38.3	-	ı	35°50 30°50	1 1	43.4	1	,	1 1	1	1	1 1	20.00	ı	1 5	0.22	0.98	1		83.8	8.75	
TEMPERATURE OF THE AIR.	.181	Fahrenheit Lowes	19.	65.1	65.1		0.29	62.3			0.79	1 1	0.79	1	1	1 1		ı	1 1	6.09				63.0		- -		9.69	
Rate 1	eaths	Diseases in Cols. 6-12.	18.	2.9	2.4			1.1			0.0	2.0	-	9	5.1	61	0.9	0.9		8.00		_		4.5	_		_	0.7	-
Annual Kate per 1000,	Week's Deaths	From All Causes.	17.	6.41	16.3		32.7	18.4	15.8	15.9	12.5	17.3	18.1	21.4	24.2	14.7	0.83	31.0	20.6	00.00	18.2	19.2		9.17.6			9.91	20.1	0 70
B 00	dias.	Uncertification of Do	16.	69	20 1	1	1 -	1 2	_	_	-	1 61		1	63	1 1	1	63	1 1	_	3 00	_	00 1		4 60	-1	_	77	
		Deaths it allow it allow Tollow Individual I	15.	564	335	00 =	- 4	14	26	9	10 1	o 1	84	-	25	1 -	00	63	n =	1	• 00	12	9	9 C	9 00	,		3	=
		asU tasupal	14.	221	611	, r	- 1	10	17	10	10 1	0 1	10	63	41	23	4 1	63	1 1	c	11.	4	67	- T	o 4₹	-	gu.		0
ide		Violence.	13.	105	62	н		67 -	· =	Н	-	1 1	6	1	-	64 1	1	1	1 1		1 00	7	64	<b>63</b> 6	9 69		4	11.	
The Draths registered in the Week include		Diarrhea.	12.	258	08	, -I	23 63	- <u>4</u> ₹	14	63	10	1 6	19	2	19	90	9 09	12	61		14	12	90	-	٦ ٦	-	10	13	23
e Wee		Ferer.	11.	56	22	4 03	1 1	1 -	4 67	1	1	1 -	4	r,	63	10 1	1	ı	1 0	1 ,	# 00	03	Н	-	4 . 1		6.1	9	9
d in th	from	Whooping-	10.	09	23	1 1	1 03	1 6	1 4	-	-	l r	4 10	0.3	4	1 -	1 67	1	- 1		2 1	-	Т	63	1 6	4	63	6	1
gistere	Deaths from	Diphtheria.	9.	99	44	1 4	r- 01	1 -	-1 1	1	1	ı	1 1	1	00	တ	1 1	į	ri .	1	, ,	*	1	å	-	1	-	7	1
TH8 re	A	Scarlet. Fever.	œ	29	22	1 63	12	1 1	4	1	1	1 1	6	63	9	0	VI 03	1	1	1 1	1 6	1	1	1	- 1		1	1	à
e DEA	-	Measiles.	7.	88	10	1 1	67 -	1	00	· -	ı	1	67	1	တ	г	1 1	1	1	1	1 -	1	-	04	H0 1-	1	1	1/3	1
Th		.xoq-llam2	6.	8	1	1 1	1 1	1	1	1 .1	ı	l.	8 8	1	1	ı	li I	1 1	1	1	1 1	1	1	1	1 1		3	1	1
	the of	Persons aged 60 Yests and upwards.	ro.	643	287	11	200	121	01	7 00	11	21 0	38	10	22	16	3 5	12	63 (	0	G 86	23	15	=======================================	18	0	23	34	36
	Death	nfants under 1 Year of Age.	. 1	1029	386	15	12	23	0 %	18	21	ו פג	20 20	12	49	22	13	25 27	63	12	61 7	46	35	21	7 28	07	16	52	19
during		1 80	80	3285		53	27	# # F	100	46	22	32	917	47	178	22	40	62	. 14	220	69	122	80	11	84	41	28	210	213
Registered during	the Week ending	28tn Sept., 4808.	oi	5501	2504	94	290	113	940	2 88	98	49	334	82	254	115	64	22	84.0	60	98	219	130	92	28 24	07	120	364	178
-	POPULATION C	1 =	1:	9.555.406	4,351,738	121,807	94,510	229,361	82,544	150.520	287,812	98,529	102,541	114,670	878,800	284,283	142,405	104,194	92,825	007,U30	235,056	327,227	410,802	134,198	112.712	779077	266,900	528,144	255,082 255,082
-	2		Cols.	1			٠	•	HOL		٠	•	• •	٠		•			- 6		• •	•		•			•	•	•
	9	LITIES AND BORUUGHS.	3		CONDON .	BRIGHTON .	NORWICH .	PLYMOUTH . BRISTOL .	WOLVEBBAMPTON	BIRMINGHAM	NOTTINGHAM	DERBY	BIRKENHEAD	BOLTON -	MANCHESTER	SALFORD.	OLDHAM .	PRESTON -	HUDDERSFIELD		EREDS	SHEFFIELD .	HULL .	SUNDERLAND	CARDIER.		EDINBURGH -		DUBLIK .

\* See note on first page of this Return.

Table 2. LONDON.—Births and Deaths Registered in the Thirty-Ninth Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males  Females .	2473	2453	2518	2538	2399	2571	2516	2559	2420	2395	2708·9	2501
	1244	1268	1312	1309	1234	1317	1253	1331	1273	1219	1391·4	1294
	1229	1185	1206	1229	1165	1254	1263	1228	1147	1176	1317·5	1210
Total Deaths  Males Females .	1193	1353	1217	1449	1257	1243	1251	1350	1244	1314	1403·5	1361
	605	704	635	745	662	648	660	714	655	679	731·3	669
	588	649	582	704	595	595	591	636	589	€35	672·2	692

The numbers in this column are the average weekly numbers in the thirty-ninth weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON.-BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

										_		LEADIN		
		July 6.	July 13.	July 20.	July 27.	Aug.	Aug.	Aug.	Aug.	Aug.	Sept.	Sept.	Sept.	Sept.
TOTAL	Births	2507	2306	2627	2376	2481	2180	2715	2358	2425	2373	2432	2344	2504
TOTAL	Deaths	1350	1605	1556	1553	1532	1366	1382	1240	1263	1170	1236	1267	1361
Ages at Death	0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - at 80 years & upwds,	722 168 221 205 34	902 151 232 257 63	908 164 197 245 42	898 166 228 212 49	850 161 209 261 51	739 139 222 216 50	727 160 202 235 58	628 140 197 223 52	569 172 235 240 47	535 151 219 216 49	583 164 207 233 49	599 157 248 216 47	644 186 244 245 42
99	$\begin{cases} \text{Under 1 year} & - \\ 1-5 & - \\ 5-20 & - \end{cases}$	429 208 85	61 <b>7</b> 196 89	631 197 80	599 216 83	555 193 102	468 195 76	447 195 85	387 163 78	331 156 82	306 141 88	313 204 66	332 182 85	386 165 93
Doothe fr	rom Small-pox	_												:
1) Caths II	, Measles	31	30	29	20	25	15	18	9	12	9	10	3	7
99	" Scarlet fever -	9	9	12	6	11	16	13	16	17	18	17	25	22
92	,, Diphtheria - Whooping-cough	38	25	23	44	45	28	36	.37	32	30	41	44	44
"	" Typhus	02	20	29	19	22	19	17	20	21	28	18	26	23
"	" Enteric fever -	8	8	7	8	8	6	8	11	12	21	19	11	19
"	", SimpleContdfever	-	2	-	1	100	1	-	-	100	1	2	1	1
"	,, Diarrhea and Dysentery -	155	258	273	271	199	175	158	109	78	68	68	73	80
,,,	" Cholera	5	10	10	10	4	4	4	2	1	3		1	
"	" all the above- mentioned Diseases }	278	368	383	379	314	266	254	204	173	179	175	184	198
	,, Dis. of Respira-	143	158	141	7.00	7.00	1.0							
	tory System			141	160	182	149	162	115	148	142	152	142	189
5)	" Phthisis Dis. of Circula-)	138	127	136	150	126	128	135	139	149	134	137	157	146
99	tory System	94	117	102	91	110	93	111	104	93	95	102	110	112
Violent I	Deaths	51	83	43	60	70	-65	49	56	51	47	49	54	CO
Inquest C	Cases	90	129	83	113	115	114	108	98	93	86	101	96	62 119
Deaths in	Public Institutions	280	356	348	314	325	320	319	279	335	327	316	324	335
Mean	ATURE OF THE AIR	63.3	63.0	58.7	58·1	64.9	60.4	59.3	57.8	60.2	60.5	63.0	51.1	50.6
	of Highest réadings - of Lowest readings -	74·6 53·7	72·9 56·2	69·9 51·3	67·7 51·9	76·2 55·3	72·8 52·0	69·7 52·5	68·1 51·1	73·0 48·5	69·1 55·2	74·6 53·8	62·2 41·6	58·9 42·9
Humidity	of the Air	71	80	80	82	76	80	82	80	74	88	76	74	80
Rain-fall	in inches	0.00	0.72	0.43	0.90	0.20	0.46	0.19	0.98	0.00	0.54	0.00	0.25	0.85
Registere	ed Sunshine (in hours)	51.3	23·Q	28.1	26.5	36.5	46.0	26.8	26.2	53.9	22.6	43.4	40.2	17.4
										_	-		-	

# METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Morrifield. Esq., Ll.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson. Esq., Wrottesley, Wolverhampton. Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Harthup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.F.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sungerland: and Wm. Lyall, Esq. Newcastle-on-Tyne,

TABLE 4. LONDON.-DEATHS Registered at several groups of Ages from different Causes in the

TABLE A. MOL				T	HIR		NINI	CH	Wee	ek of the Year 1389.									
	the	Sa	In t	the V	Wee	k end	ding	188			the	Sat	Inrda	n the	Wee th Se	k en	ding	1889.	
	for the	-		aths					-		erages for the the the 10 years			aths	of Pe	rson			
	rages for the 10-88.				ne A			- 2			the t				he Ag	868	- 1	-1	-
CAUSES OF DEATH.	Avera ks of t 1879-88			nder 20.		er 40.	er 60.	er 80.	апп	CAUSES OF DEATH.	Aver iks of 1879-8		U	nder 20.			er 60.	er 80.	Bud
CAUSES OF LES	Veeks	GES.		-	-	under	under	under			Week	AGES.	-			under		under	Hnwarda.
	Corrected 39th Wee	LL AG	4	.5.	-20°	and	and	and	J Years upwards		Corrected 39th Weel	ALL A	0-1.	.0-	6-20.	and	Dand	and (	Mull
	OS I	ALL	0-1	1-6.	10	02	10#	0.9	200		0°	4	0	-1	0	8	9	06   5	-
ALL CAUSES	1403.5	1361	386	165	93	186	244	245	42	Diseases of Organs of	3.2	2	_	-	1	1	-	-	-
Vaccinated1 -			-	-	-	-	-	-	-	Special Sense † 5		-		-	-		-	-	-
Small- Unvaccinated	4.7	-	-	-	-	-	-	-		Diseases of Circulatory System }	99.0	112	6	-	9	17	40	37	3
(No Statement	20.6	7	2	5	-	-		-	-		12.4	9	3	5	1	-	-	-	
Measles Searlet Fever	43.8	22	2	9	10	1	-	-	-	Bronchitts Pneumonia	118.6	103	26 15	17 14	1	3	11 8	39 6	6
Typhus	0.0	2	-	-	-	2	-	-	_	Pleurisy Other Diseases of Respi-	4.6	2	-	1	3	1	4	6	1
Relapsing Fever †	0.0	-	-	-	-	-	-	-	-	ratory System	25.7	25	5	6	0	1		-	
Whooping-cough	23.9	23	4 2	11	2	-	-	-	-	Dentition †	10.2	6	3	3	-	-	-	-	-
Diphtheria	20.2	41	3	27	14	-	-	-		Quinsy, Sore Throat † -	1.8	2 15	11	1	2	1	1	-	
Simple Continued and \ Ill-defined Fever -	2.0	1	-		-	-		1	-	Peritonitis	6·1 27·9	7 23	1	-	1 -	2	15	5	1
· Enteric Fever	1.9	19	-	-	5	10	4	-	-	Other Diseases of Digestive System -}	27.0	29	8	2	-	8	7	7	2
Cholera Diarrhœa, Dysentery -	73.8	80	58	8	-	1	1	8	4			-	-	-		-	-	-	-
Remittent Fevert	0.5	1			-	1	-	-	-	Diseases of Lymphatic System & of Ductless	1.8	4	1	-	1	2	-	-	-
Hydrophobia	0.0	2	-		1 -	-	1 -	-	-	Glands †)									-
Glanders Cowpox and Effects of	0'2	-	-		-	-	-	-	-	Diseases of Urinary	39.1	34	1	1	-	5	12	13	2
Vaccination †   Venereal Affections -	10.6	11	4	2	-	2	2	1	-	System }			_			_	-	-	-
Erysipelas	6.1	2	1	-	-	-	-	-		Diseases of Generative	5.2	2		-		-	1	_	1
Pyæmia and Septicæmia †	4°6 4°7	1 7		-	-	7	1		-	System	3.2	2	-	-	-	1	1	-	
Puerperal Fever Other Zymotic Diseases †	0.3	2	1	-	1		-	-	-										-
	3.5	2	3							Diseases of Locomotive	6.1	7	-	3	2	1	-	1	-
Thrush	0.0	3	3														9		
Worms and other Para-}				-		-		-		Diseases of Integumen- tary System	6.1	4	2	-		_	2		-
Starvation, Want of }	1.8	4	4																
Breast-milk †}	5.2	11	-			2	9	-		VIOLENT DEATHS.									
Alcononsm		-	-		-	-	-	-	-	(ACCIDENT.)	18.4	22	-	3	4	1	5	8	1
Rheumatic Fever. \\ Rheumatism of Heartt \}	6.7	5	-	-	2	3	-	1	-	Fracture and Contusion Gunshot Wound	0.3	1 -	-	-	-	-	-	1	-
Rheumatism †	1.7	-	-	-	-	-	-			Cut, Stab  Burn and Scald	2.9	2	-	1	-	1	-	-	-
Gout	3°2 2°4	1 5		3		1	-	1	-	Drowning	9.7	9 16	14	-	1	3	4	1	-
Rickets †	43.5	72	_					30		Othermine	2.0	3	3		-	-	-		_
Tabes Mesenterica -	35.2	34	25	6	2	2 -	- 1	-											
Tubercular Meningitis -	100.8	30	_	-					4 -	(HOMICIDE.) Murder & Manslaughter	1.7	2	-		-	2	-	-	-
Phthisis Scrofula, Tuberculosis -	1	146	- 1	_	7 4			-		Ditrice & Division		-	-	-	-	-	-	-	-
Other Constitutional	-	5				- 1	1 1		2 -	(SUICIDE.)						1			
Diseases † J	-	-		-				- -	- -	Gunshot Wound -	1.1	1 -	1 -	-	-	1 -		ī	-
Premature Birth	33.0	42	_		-	-   -	-	-		Poison	1'6	3				-	-		
Atelectazis † Congenital Malforma-	2.7	2								Hanging	- 1.7	8 -	-		-	-	-	-	-
tions	5	8						1	1 1			-		- -	- -	-	-		
Old Age	44.0	- 86	-1-		-	- -	-	-		(EXECUTION.)	-10								
Apoplexy	38°8		_		-	- 1		-		Hanging	- 0.0								-
Epilepsy	_ 5·1 _ 39·7	- 1	_		3	-	1		1		7440		5		2 1		1 3	3 1	1
Other Diseases of Brain	77-7	-1				5	5 1	14 2	20	OTHER CAUSES † -	- 74'3	66	1		2				
and Nervous System	3	1	1					1				-	-	-		-	-		

<sup>\*</sup> The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9'046 per cent, for increase of population † As the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

† Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heating "no sassement."

† The ovidence at inquests is often usualment to enable, the Coroner to certify whether a violent death be the result of accident, murder, manulaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON.—Posilation; Births; Deaths from all Causes, and from Small-pox, Measles, Scarlet

													duri	ng t	he 1	Weel	c en	ding
							The	DE	ATHS	regist	ered i	in the	Wee	kine	lude			
	Enume-			Deat	hs of	1				Deat	hs fr	om				1	1	
REGISTRATION	rated Fopu-	100	18.	-	60 rds.			1.	1	agb.	1	1 5	1.		1		Pablie	# 26 B
SUB-DISTRICTS.	lation,	Вівтпя	DEATER	under f Age.	aged & upw	н		GVOF	is i	S-cong		Or Fever	-ue	٠		Cases.	Pu Pu	d Ca
	1881.				ons ars 3	Small-pox.	sles.	Scarlet Fever	Diphtheria	Whooping	hus.	rie (	Simple con- tinued Fever.	Diarrhua	ence		he in	rtiffe
		Total	Total	Infants Year	Persons Years	Sma	Meas	Sear	Diph	Who	Typhus	Enterio Typhoic	Simpl	Diar	Violence.	Inquest	Deaths in l	Uncertified Canses of Death.
LONDON · · ·	3,815,704	2504	1361	886	287	-	7	22	44	23	2	19	1	80	62	119	335	20
West Districts	669,688	387	202	47	59			4	9	4	-	2	-	. 8	6	14	61	1
North Districts	905,947	547	321	87	61	-	-	4	12	3	2	7		14	12	24	75	1
CENTRAL DISTRICTS	282,238	152	97	26	23		1 2	1 4	3	3 5	-	-		10	8	13	82	2
EAST DISTRICTS	692,788 1,265,148	505 913	287 454	90 136	56 95	-	4	9	13	8		3	1	28	27	37	78	18
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION	-,500,120	910	-	-	-	-	_		-	_	_			_		-	03	15
TONDON															-		_	-
WEST DISTRICTS. St. Mary Paddington WHH G.J. & W.M.	69888	47	17	4	5	_	_	_	_	-	-			_	1	4	2	
St. John Paddington H G.J.	87880 120141	8	7	2 7	1	-	-	-	1	-	Ē	1,		1	-	2	3	-
Brompton H W.M. & C.	43010	13	9		19 3	-		-	-	1	-	1 -	-	-		-	3	-
St. Peter Hammersmith - W.M. St. Paul Hammersmith H W.M. St. G.J. Fulham Www - W.M. & C	7899 64340 42900	3 50 72	22 22	1 9 5	3 8	-	-	1 2	2 3	1 2	-	-	-	2	-	2	2 7	
Chelsea South HHH	0396 24925	15 27	10	4 2	- 2	-	-	1	-	-	-	-	-	2 -	-	-	8 5	
Chelsca North-east C.  May Fair WW G.J.	82807 80353	27	10	2	7	-	_	-	-	-	-	-	-	-	1	1	-	-
Belgrave WHHH C. St. John Westminster HHH - C.	59220 85496	20 16	14 8	2 8	2	-	-	-	1	-	-	-	-	2	2	2	8 7	1
St. Margaret Westminster H - C. St. James Westminster WHH N.R.&G.J	24679 29941	12	12	8	1	-	-	-	1		-	-	-	-	2	2	5	-
St. Anne Soho HHHUHHH - NR.	16608	9	6 4	8	-		-	-	-	-	-	-	-	1	-	-	1	-
North Districts.  All Souls Marylebone HHHH - W.M.	26759	10	9	2	-	-	-	-		-	-	-	-	-	-	-	5	_
Cavendish Square HHHH W.M. Rectory Marylebone WH G.J. & W.M.	14891 24809	13	6	3	1 -	-	-	-	-	-	-	I	-	2	-	ī		1
Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone III - W.M.	21118 83700	31 19	7 9	4	2	-	-	-	-		-	-	-	-	-	1	-	-
St. John Marylebone H W.M. Hampstead Www H N.R. & W.M	33638 45452	15	8 18	2	1 5	-	-	2	1	-	-	-	-	1	2	-	-	-
Regent's Park Pancras H W.M. Tottenham-court wHHHH N.R.&W.M.	89115	28	12	2	2	-		-	Ĥ	1		_	-	- 1	1	1	5	
Gray's Inn Lane HHH N.R.	27729 30247	13	13 18	6	3	-	-	1	-	-	-	1	-	1	2	1 4	7	-
Somers Town $H$ $N.R.$ Camden Town $WH$ $N.R.$	84369 17311	28 11	12 13	3	2 4	-	-	-	1	1	-	1	-	ī	ī	-	2	
Kentish Town W N.R. Upper Holloway WWwH N.R.	87487 67946	57	28	9	4 9	-	-	-	2	-	-	- 1	-	1	-	3	9	-
Islington South-west HH - N.R. Islington South-east N.R.	100976 61895	62	39 33 19	11 8	7 3	-	-	-	1 -	1	-	1	-	3	8	2	14	Ē
Highbury H N.R.	52048	84 39	6	2	1	-	-	-	1	-	-	-	-	-	1	2 -	-	
Stoke Newington H N.R. Stamford Hill E.L.	22781 9277	16	9 2	2	4	-	-	1	-	-	-	-	-	2 -	1	2	-	
West Hackney H N.R. Hackney WwwwH E.L.&N.R.	87610 76911	21 55	10	3 7 7	8	-	-		1 5	-	2	2	-	ī	1	1	21	H
South Hackney E.L.   CENTRAL DISTRICTS.	39883	21	13	7	S	-	-	-	-	-	-	1	-	1	-	8	-	
St. George Bloomsbury N.R.	16681	4	8 11	-	1 4	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles North N.R.	14864 18837	8 5	2	-	ī	-	-	-	-	-	-	-	-	4	2	1 2	6	-
St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	7515	6 2	9	4 -	1	-	-	-	-	-	-	-	-	2	-	-	3	;
Strand Union Workhouse, Edmonton w.	8009	8 -	1	-	1		-	-	-	-	-	-	-	-	-	-	1	-
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R. Saffron Hill H - N.R.	18671 10706	10 10	9	2	1	-	-	-	1	1	-		-	1	ī	-	4 3	-
St. James Clerkenwell N.R.	6583 17516	12	2 4	3	-	-	-	-	-	-	-	-		i	-	8	-	- 1
Pentonville s - N.R.	19281 14778	9	5	2 -	1 -	-	-	-	-	-	~			i	=	2	-	-
Goswell-street N.R. Old-street H N.R. City-road HHL N.R.	17506 11541	8	8	1	1	-	-	1	-	-	-	-	-	-	-	- 1	-	1
Whiteeross-street N.R.	18628 9217	26 8	6 2	2	1 -	-	-	-	-	=	-	=	-	-	-	-	ī	-
Finsbury Holborn Union Workhouse, Mitcham w.	7468	2 -	1	-	-	-		-	- }	-	-	-	-	1	-	-	-	-
St. Botolph H N.R.&E.L. Cripplegate N.R.	11174 7193	8	4	2	-	-	1	-	-	-	-	-		-	-	-	1	-
St. Sepulchre H N.R. St. Bride W N.R.	5358 8396	2 1	14	1	3	-	-	-	2	ī	-	-	-	-	4	4	12	-
Allhallows Barking - N.B. Broad Street H N.R.	18666 5652	2	8	-	2 .	-	-	-	-	1 -	-	-	-	-	1	1	-	-
	000-				- 1	- 1		-	- 1	- 1	- 1	- 1	- 1	- 1	-	-	-	

Note.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse; H-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving immates from other Districts than that in which it stands see note at the foot of act page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L. East London and K., the Kent Company.

DR, DIPHTHERIA, WHOOPING-GOUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

							The	DEAT	ens r	egiste	red in	the .	Weel	k incl	ude			
	Enume-			Deati	as of				I	eaths								-
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total Birres.	Total DEATES.	Infants under I Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enterio (or Typhoid) Fever.	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes
EAST DISTRICTS.  well Shoreditch - N.R. & E.L.  tonard Shoreditch $HL^{\psi_1}$ - N.R.  ton New Town $w$ - N.R.  on Old Town - N.R.  erston $WH$ - N.R. & E.L.	7376 14967 29937 28036 46275	11 10 20 24 23	8 14 10 11 23	- 5 1 6 7	1 4 - 8	11111	1111		8	- - 1 1	1111		2 2 2 2 2	1 2 -	111	1 2 1	3 5 10	
mey-road $H$ $\mathcal{E}$ .L.  n, Bethnal Green $WHL^*$ - $\mathcal{E}$ .L.  ch, Bethnal Green $\mathcal{E}$ .L.  pethnal Green - $\mathcal{E}$ .L.	29738 47932 29981 19310	21 34 19 11	9 21 7 9	5 6 8 5	1 6 1 1	1111	1 -	1	1	1111	1 1 1 1	1 -		1 4	1 -	1 1 2	9 -	1111
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	22585 15478 17490 9713 6102	10 10 11 8 8	12 22 - 4	1 3 8 - 1	4 2 -	11111	11111	-	1 -	1		1111	11111	1 - 1	1 1	2 2 3 -	8 17 -	1 1 1 1
eorge's North E.L. ohn, St. George East W - E.L.	38747 8410	83 5	16 5	6	2 2	-		-	-	-	-	-		2 -	1	2	- 4	-
well HH E.L.& N.R. liff E.L. house E.L.	10395 16107 32041	21 10 28	5 4 14	2 1 4	- 2	- 1	1	-	1 1 1		4 1 9	ī	111	1	1 1 1	1	2 -	-
End Old Town West - E.L. End Old Town East WwwH- E.L.	37960 67653	24 55	10 17	6	1 3	-	1 -	2		- 1	-	11,	-	1 -	7	ī	5	2
niey wwwH E.L. ar WWH E.L.	37074 64359 55077	28 52 89	14 36 17	6 7 7	3 15 2		-	111	- 1	1	1 1 1	1 1 1	1 1 1	2 1 2	2 1	1 5 3	1 14 -	
SOUTH DISTRICTS.   A   Control   Southwark   WH   L. & S.   Control   S.   Control   S.   Control   Control   S.   Control	13663 14999 21381 15953 21318 26672 59555 21623	11 7 9 13 10 13 47 14	5 6 14 11 6 4 33 8	2 3 7 3 2 1 12 5	1 - 7 - 7			1	2 - 2 -	1	1111111	- 1,1 - 11	1111111	3 2 2 1	1 3	1 3 2 - 1 -	5 - 7 -	
lave WH S. & L. her Market S. & L. fary Magdalen W - S. ames Bermondsey - S. erhithe WH 8. & K.	11956 16300 15669 54682 36024	12 16 36 36	13 4 16 18 20	2 1 5 7 4	6 3 4	11111	1	1		2	11111	- 1 -		1 8 -	1 2 2 3	3 1 3	2 .9	3
grloo-road 1st     H -     L, & S.       erloo-road 2nd     H -     L, & S.       beth Church 1st     H -     L, & S.       beth Church 2nd     WW -     L, & S.       nington 1st     -     -     S. & L.       ton ww     -     -     L, & S.       wood     W, -     -     L, & S.	15195 16351 19876 39859 45292 35332 62837 19017	13 22 14 80 82 19 81 9	8 1 9 16 6 10 14 6	3 4 2 1 3 1	1 3 8 1 3 5	1	11111	1 1 1 1 1 1 1	1 1 1 1		1111111		111111	1 - 1	1 1	1 1 1	, - 5 9 - -	1 1 -
Battersca	54675 52587 36380 28004 13235 25553	43 57 20 24 6 26	16 24 10 8 4 7	10 7 1 2 2 2	4 3 3 - 2		1		1			1 1 -	1	1	1 1 - -	2 2	6 2 -	
wich L. & S. berwell $WwL^*L^*$ - S. & L. tham $W$ S. L. & K. leorge Camberwell L. & S.	71089	2 47 36 47	1 26 17 14	5 7 5	1 9 4 3		-		1 -	1 -		1111		3 2	1 1	1 - 1	11 1 -	2
Paul Deptford ow K. Sicholas Deptford K. snwich West H K. anwich East WHH K.	76752 7901 21972 24608	56 3 10 20	33 8 6 18	8 2 1 1	6 1 3 8	1111	1 -	6 -	1	2 -	- 1 1 1	2 -	1111	3 -	2 -	2 -	7 - 13	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	1 4 13 20	- 8 5 4	1 1 1	1 1 2				1111			1111		1111			8 -	
riton H K. Ilwich Dockyard K. Ilwich Arsenal HH - K. Instead, West H K. Instead, East W K.	10930 17617 19048 14009 19241	6 14 14 12 33	3 3 8 - 13	1 4 - 4	2 - 1	11111	1		1111	11111	1 1 1 1 1	11111		2 - 1	1 2	1 - 2	3	
ropolitan Asylum Hospitals: Dartford w Il inchmore Hill w	-	-	-	-				-	-	-	-		-	-		-		

les following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the one Table by we:-

Marylebone Infirmary in Kensington Town sub-district.

Central London Sick Asylum in Tottennam Court-road sub-district.

Holborn infirmary in Upper Holloway sub-district.

Holborn infirmary in Upper Holloway sub-district.

Holborn "Hoxton New Town sub-district.

Mile End Old Town Eastern sub-dist.

London City "And Bromley sub-district.

Private Lunatic Asylums in which paupers are received.

Stepney Workhouse in Bromley sub-district.
Foolar's Stepney Sick Asylam ", Westminster Union Industrial Sensol in West Buttersea sub-district, Strand and Holborn Workhouses outside Registration London. St. Saviour's Indirmary in Camberwell sub-district.
Metropoutan Asylum District Hospitals in Fulusan, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartforl, Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during to

		Area		1	1				The D	EATHS	regist	ered in	a the	Week	inelude			
Regis-		in Acres,			I	Das	ths of	1				s from				1	1	
District	REGISTRATION	inelu-	Enume-	σå	IS.	200	1	-	1	1	1 Donoth		1	1			io	RAR
and Sub-	SUB-DISTRICTS.	ding Tidal	Popu-	BIRTHS.	DEATHS	der ge.	ed 60 pwds.		İ	er.	١.	Whooping-cough			1	908	Public one.	Clan
district	222241019,	Water	lation, 1881.	BIL	DE	under of Age.	a aged	DOX.	1 0	Scarlet Fever.	eria.	ng		986.	98	Inquest Cases.	Deaths in Put	Uncertitled Causes
Num- bers.		Fore-				Infants	Persons Years 3	Small-pox.	Measles,	rlet	Diphtheria	1000	Fever.	Diarrhoss.	Violence.	need	aths	Mert
		shore.				TI I	Per	Sm	Me	2008	Dig	M	- F	io_	N X	-	De la	Co
LON	DON-OUTER RING	370,924	950,957	763	338	97	88	-	2	8	10	10	3	15	8	14	34	
						-		-		-		-						
80:1	Carshalton wZ -	12228	21118	15	В	1	8	-	-	-	-	1	-	~	1	1	-	-1
2	Epsom (part of)* WwH	9971	10710	в	8		1		-	-	-	-	-	-		-	-	
37:1	Godstone (part of) * -	2754	1235	-	-		-	-	-	-		-	-	-	-	-	-	
38:1	Croydon WwHHL -	20851	101941	63	25	8	11	-	-	-		-	-	3	-	2	4	
39:1	Mitcham w †	11697	17982	8	2	1	- 1		-	-	-	1				-	-	
. 2	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	14	8	1 4	5	-	-		-	2		-	-			
8	Esher (part of) * -	6601	9221	3	в	-	8	-	~	-	-	-	-		-	-	-	
40:1	Hampton H Richmond WH	4573	18539	10	6	1	1	-	-	-	-	-	-		8	3 1	1 4	
2	Mortlake ~	2272 2941	21302 12331	17	9	8	4 3	-	_			-	- 1	1	1 -	-	-	
41:1	Bromley (pt. of) * HH	15669	81142	19	6	8	1	-	-	1	-	1	-	-	-	~	1	
2	Chishrst(pt.of)* WHH	14307	15844	15	-5	1	2	~		-	-	-	-	-	-	~	-	
42:1	Bexley H Dartford (Ww, pts. of)*	13437	24134	18	8	1	1	_		-	_	-	-	-	-	_	-	
124: 1	Sunbury w	11055	11685	6	1	_	1	-		_	-	-	-	-	-	_	-	
2	Staines W	18277	12089	9	2	1	-	-	-	-	-	-	- 1	-	-	-	-	1
125:1	Hillingdon WHH - Uxbridge	6029 6178	10802 5225	9	5 4	8	-	-	-	-	2	2		1	-	-	2	
8	Hayes wHL	14587	11523	2 4	5	-	1 3	-	-	- (	- 1	-	-	-	-	-	2	
126: 1	Isleworth WHH -	7008	22727	8	2	1	-	-	-	-	-	-	-	-	-	-		
2 3	Twickenham H Brentford HL	2477 4345	12479 27649	5	5 10	2	3	-	-	2		-	-	-	-	1	3	
4	Chiswick	1840	15975	18 12	11	2	1		-	1	-	1	1	-	-	1	-	
5	Acton wH	6088	22876	19	11	2	6	-	-	-	-	-	-	-	1	2	-	
127:1	Harrow H	13809 6994	12796 8749	15	2	-	1	-	-	-	1	-	-	_	-	-	-	
8	Willesden	4383	27453	83	9	8	1	-	-	-	-	1	1	1	-	-	-	
4	Hendon W	8882	10484	11	3	-	-	-	~	-	-	-	-	-	-		-	-
137:1	Bushey Watford (W, pt. of)* -	9331	6621	5 -	4	-	1	-	-	-		-		-	-	-	-	
128:1	South Mimms	15599	6391	8	2	2	-	-	-	-	-	_	-	-	-	_	-	
3	Barnet	5488	10092	11	4	-	1	-	-	-	-	-	-	-	-		-	
135:1	Finchley HL Hatfield (part of) * -	4688 3806	17615 583	9	5	1	1	-	-								4	
129:1	Hornsey H	3039	37078	29	10	4	2											
2	Tottenham H	4649	46456	53	23	7	5	-	-	-	-	-	-	-	-	-	1	3
3 4	Edmonton Ww ‡ - Enfield WH	7483 12653	23463 19104	20	7	1 8	2	-	1	1	-	-	-	8	-	-	4	
8	Waltham Abbey	11017	5368	1	1	-	1 -	-	-		-	-	-	-	-	-	-	
6	Cheshunt	8480	7735	5	8	3	1		-	-	-	-	-	-	-	-	-	
186:1	Stratford West Ham wwwwH\$-	882 7351	38606 101053	29 128	13	6	4	-	-	3	1 2	1	-	1	1	1 2	-	5
8	Leyton WwL	4372	32430	40	23	9	6	-	-	-	1	-	-	1	-	611	5	2
187:1	Walthamstow H - Chigwell (part of) * H	6520	28869	41	8	1	2	-	1	-	-	-	-	1	-	-	-	3
2	Epping (W, pt. of)* -	11761	9659	8 -	9	8	2	-	-		8	-	-	8	-	-	-	
189:1	Romford (part of) * W	6730	3411	1	2	-	2	-	-	-	-	-	_	«»		-	2	١.
3	Ilford Barking Town	8493 4127	7645 9203	6	3 5	1	1		-		-	-	-	-	-	-	-	

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:-30 : 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone subof 12, Epsons and district, accept the parishes of Ashatas and Headley (pop. 1285); \$7:1, the parishes of Wathington that rather in Goldan and district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parish of Cadhan and Knockholt (pop. 1818); 41:2, Chisientrat sub-district, except the parish of Cheisfield (pop. 947); 135:1, the parish of Northaw in Hatdeld sub-district; 187:1, Chizwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenara in Romford sub-district also deaths in Workhouses belonging to the Outer King in 42:2, Dartford, 137:2, Watford, and 137:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

§ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 28th September, 1889.

,	FREATER	Area in Acres,	Estimated Population.	of Mon	L RATE	DEATHS from	Deat	The DE	ATHS	regi			he W		nolud	e	Public jons.
	LONDON.	including tidal water and foreshore.	middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Messles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoss.	Violence.	Deaths in Pr Institution
	Cols.	1.	2.	3,	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
Δ	TER LONDON	448,334	5,642,015	15.7	2.3	1699	483	375	-	9	30	54	33	25	95	70	369
	TER RING -	77,410 370,924	4,351,738 1,290,277	16·3 13·7	2·4 1·9	1361 338	386 97	287 88	-	7 2	22 8	44 10	23 10	22	80 15	62 8	335

TR.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 00 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,657,164 Persons.

	Danne				Annual	D	EATHS		PRIN DISEAS	ES.	ZYMO	_
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN Week endin	Grahusina.	DEATHS. of Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoal Diseases.
CUTTA	433,219	August 1		188	22.6	-	-	-	2	-	76	25†
IBAY	773,196	,, 2	7 350	484	27.7	-	1	P	2	. 5	147	46†
DRAS	398,777		318	323	42.0	-	18	5	5	?	88	74
:I8	2,260.945	September 2	1 1100	935	21.5	3	8	2	20*	22	29	108
8 Faubourgs.)	471,606	» 2	260	131	14.4	-	-	-	1	. 2	1	21
ITERDAM -	403,083	" 2	1   -	-	-	-	-		-			~
TERDAM -	197,723	,, 2	1 -	-		-	-	-	-	-	-	
HAGUE .	153,440	,, 2	1   -	**	bu .	-	-	-	***		- 1	-
ENHAGEN -	307,000	,, 2	238	120	20*4	-	-	2	8	3	-	8
CKHOLM -	228.218	,, 1	4   139	55	12°5	-		. 1	3*	2	-	10
ISTIANIA -	138,30)	so 2	1 53	64	24.1	-	-	1	14	4		5
PETERSBURG	842,883	,, 1	4   -	- ,		-	-	-	-	-	-	-
LIN	1,489,672	93	7   917	495	17.2	-	1	5	15	7	6	101
MBURG(State)	575,276	" 1	4   410	247	22.4	-	-	2	5*	4	7	51
SEDEN	264,196	, 1	4 168	90	17.7	5	-	1	10*	3	-	16
SSLAU	315,000	,, 2	1 227	162	26.9	-		1	13*	-	100	17
NICH	281,000	,, 1	4 241	194	35.9	-	-	• 1	5*	2	1	74
MNA = -	811,434	" 1	4 462	287	18*4	-	2	-	4	27.	-	34
GUB	304,356	" 1	4   -	118	. 20.2	-	Conti	1	6		1	1
DA-PESTH -	452,907	,, 1	310	212	24.3	-	-	8	9	4	4	25
ESTR	158,084	,, 1	4   -	82	27.0	-	- 1	-	2*	1	-	. 19
CB	404,449	July 2	7 201	162	20.9	1	2	-	1	-	9‡	20
21x (11 days)-	306,398	August 3	1   -	-	-,	-		-		-	- 1	-
IICE	153,375	September	7 82	83	28.2	7	. 1	-	2*	-	2	17
RO	374,838	19	5 370	3:6	49.6	-			7*	1	17	150
MANDRIA -	231,396	39	5 177	182	41.0	1	- "	-	2*	2	17	53
W YORK -	1,571,300	33	7   -	700	23°5	-	2	3	16	15	15	121
OKLYN -	814,505	93	7   -	335	20.9	-	1	5	16	3	9	49
LADELPHIA -	1,040,245	99	7   -	343	17.2	-		6	5	1	16	16
WIMORE -	500,343	99	7   -	157	16.4	-	-	1	,-	-	. 8	22
WIMORE -	500,343	9+	7   -	157	16.4	-		1	,-		. 8	_

<sup>\*</sup> Including deaths from croup.
† Including 4 deaths from cholera in Calcutta and 16 in Bombay.
‡ Including 5 deaths from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, September 287H, 1889. [Inder the Sunerintendence of the Astronomer Roual.]

BABO-	BARO-	BABO.			TEM	TEMPERATU	URE.		Dise	nuck the Super tree months of the fact of	100	-	TEN	TEMPERATURE.	URE.	-	Wind as deduced from Anemometers	duced fr	om Aner	nometers			Rain	
Mean Action Of the Air	Mean Action Of the Air	00 th Ais						Of the		Difference between the Air Temperature and Dew Point			3		the Wat	er	Osler's.						collected in a	
Of the Air.	reading Of the Air.	Of the Air.	-	-	-	Ť	A 2	nt.		Temperature.		of Hu- midity (Satu-	Of Radiation.		of the Thames at Deptford.		General Direction.	Press	Pressure on the Square Foot.	he	Robinson's.		Gauge whose receiving	Ozone.
MONTH AND MOON, PERCECULAR HIGH- LOW- Daily Mean Farture Mean DAY.  DAY.  DAY.  DAY.  MOOD, Raine High- Low- Daily Mean Farture Mean Sign Range (value, average value, feature). Rainer Hebb.	receed and re- and re- ference to fight. Low. Daily Mean parture duced to first from a re- paired est. est. Range, value, Average, Pahren lett.	High. Low. Daily Mean Parture est. Range. value. Opears.	Low- Daily Mean parture from est. Range, value, of of of of others.	Daily Mean parture from Range, value, 0 years,	Mean trom daily value. of of o years.	parture from Average of		e v a	Mean daily value.	Great-	Least. 1		High- est in Sun's Rays.	Lowest High- on the Grass.	gh- Low-	w. A.M.	P.M.	Great-	Least, 1	Mean of 24 of hourly of obs.	Horizontal Movement to of the Air on each Day.	Departure from Average of 16 Years.	surface is 5 inches above the Ground.	
SETTEMBER. 11. 22.530 55.7 30.4 16.8 47.0 - 9.2 40.2	55.7 30.4 16.3 47.0 - 9.2	55.7 30.4 16.3 47.0 - 9.2	39.4 16.3 47.0 - 9.2	16.3 47.0 - 9.2	47.0 - 9.2	- 9.5	-	63	8.9	12.2	0.0	177	0.76	30.08	0 :	WSW. &N.	N. N.W. &	1bs. 0.5	1bs. 0.0	lbs. 1	Miles.	Miles.	in. 0.00	0.0
33 29.678 58'1 56'1 22'0 47'1 - 9'0 40'7	29.678 58.1 56.1 22.0 47.1 - 9.0	58.1 56.1 22.0 47.1 - 9.0	86.1 22.0 47.1 - 9.0	22.0 47.1 - 9.0	0.6 - 1.4	0.6 -		h-	₹.9	14.8	0.03	78 114	14.8 28	28.5	:	WSW.	97	0.1	0.0	0.0	186	- 75	00.0	1.8
24 29.360 60.2 45.6 14.6 52.7 - 8.2 52.5	29.360 60.2 45.6 14.6 52.7 - 3.2 52.	60.2 45.6 14.6 52.7 - 8.2 52.	45.6 14.6 52.7 - 8.2 52.	14.6 52.7 - 3.2 52.	52.7 - 3.2 52.	- 3.5	52.		0.5	0.4	0.0	99 77	77.2	42.0	:	SE.S.	& SW.&NNW.	5.0	0.0	1.0	284	+ 25	0.85	2.2
25 Liew. 29.765 54.5 40.6 13.9 47.1 - 8.7 36.9	29.765 54.5 40.6 13.9 47.1 - 8.7	54.5 40.6 13.9 47.1 - 8.7	40.6 13.9 47.1 - 8.7	13.9 47.1 - 8.7	47.1 - 8.7	1.8-1			10.5	0.41	2.5	68 105	105.2 33	33.0	-	WNW. &	K NNW. &NW.	4.5	0.0	8.0	426	+169	00.0	0.0
26 29.996 59.7 37.6 22.1 49.7 - 6.0 43.9	29.996 59.7 37.6 22.1 49.7 - 6.0	59.7 37.6 22.1 49.7 - 6.0	37.6 22.1 49.7 - 6.0	22.1 49.7 - 6.0	49.2 - 6.0	0.9 -		_	30 00	12.0	2.4	80 97	97.2	29.1	-	WSW.	WSW.	2.2	0.0	0.3	356	+100	00.0	0.0
97 29.875 65.1 52.5 12.6 57.9 + 2.4 53.9	65.1 52.5 12.6 57.9 + 2.4 53.	65.1 52.5 12.6 57.9 + 2.4 53.	52.5 12.6 57.9 + 2.4 53.	12.6 57.9 + 2.4 53.	57.9 + 2.4 53.	+ 2.4 53.	53.		0.4	9.4	0.0	87 90	90.8	47.0	:	WSW.	WSW.	₹.9	0.0	1.0	489	+234	00.0	0.4
28 29.029 59.1 48.3 10.8 53.0 - 2.4 43.0	29.629 50.1 48.8 10.8 53.0 - 2.4 43.0	59.1 48.3 10.8 53.0 - 2.4 43.0	48.3 10.8 53.0 - 2.4 43.0	10.8 53.0 - 2.4 43.0	53.0 - 2.4 43.0	- 2.4 43.0	43.0		0.01	14.3	8.4	69	94.7 40	2.07	:	W. & WMW.	W. NW.&NNW.	0.2	0.0	1.0	974	+ 2555	0.00	1.0
29:000 58 9 42:9 16:0 50:6 - 5:2 4F.4	29.690 58 9 42.9 16.0 50.6 - 5.2	58 9 42.9 16.0 50.6 - 5.2	9 42.9 16.0 50.6 - 5.2	16.0 50.6 - 5.2	50.6 - 5.2	1 2.5	-	:	6.5	12.0	9.1	80	96.3	35.7	:	WSW	. & NNW.	:	:	:	Sum 2388	Sum +583	Sum 0.85	1.3
No. of Col 3 4 5 6 7 8 9 10	4 5 6 7 8 9	6 7 8 9	6 8 2 9	6 8 6	6	-	10		11	12	13	14	15 1	16 17	18	19	20	21	2.3	23	2.4	25	26	27
DATE.   FLECTRICITY.   Registered Sun above   GENE   Septembers.   Structure	Registered Sun above Sunshine, Horizon, in bours. in hours.	Registered Sun above Sunshine, Horizon, in bours. in hours.	Registered Sun above Surshine, Horizon, in bours. in hours.				GENE	NE	RA	GENERAL REMARKS	ARKS			The	height ion has	of the cist	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are noted to the reduce of N N 1 noon; 3h p N 1 and 0h p N 1 The means of 1 1.	neter is to red	159 fee uce to	sea leve	the mean	n level o	vel of the sea; no	0 1 1 no
Eine: partially afterwards.	12.3	12.3	12.3	12.3		Fine: partially afterwards.	; partially	III	cloudy	till .	5Ъ.	P.M.; clou	cloudless	eye-rea conver of the j	dings c ted int photogr	of the baron to mean dai raphic recon	Observations are tatently exact as all thermometer, and the wet built thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1875 for the abronecting and during the twenty years ending 1875 for the abronecting and annual the results of the photographic records made during the twenty years ending 1875 for the abronecting and annual perfect the proposed of many measure.	b therr opplication	nometers of not not not not not not not not not not	r. and t correcti ars endi	he wet brons dedu ons dedu ng 1873 fc	ulb ther ced from or the ba	means o mometer a discu rometer	ssion and
23 Cloudless in early morning; partially cloudy fine till afternoon; generally overcast afterwards	12.1	12.1	12.1	12.1		Cloudless in ear	lless in ear	n	y mo	rning; l	partially reast af	y cloud; iterward	y and	of the and m (colum	dry bul	b thermom m thermom The mean	of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of inmitially are deduced (column 8). The mean daily dew point temperature and degree of inmitially are deduced to the day of the da	temper	ected and dai	the corrected mean of the reference and degree of temperature and degree of temperature and degree of temperature and degree of temperature and degree of temperature and degree of temperature and degree of temperature and degree of temperature and temper	the corrected mean of the readings of the maximum the mean daily value of temperature of the air temperature and degree of inmidting are defined mean temperature and degree of inmidting are defined.	eadings of the maximum temperature of the air of humidity are deduced	he maxi o of the are ded	mum air uced
Overcast generally; frequent rain, heavy noon. A very damp day.	0.0 12.0 n	0.0 12.0 n	0.0 12.0 n	12.0	ă	Overcast genera noon. A very da	east genera A very da	ra	lly; fi	equent r	ain, he	ii	after-	metric The	al Tabl	an dany va les. e temperati at Greenwi	most right and any senses of one any same who were successed by consisters any grammer of the size is that derived from a discussion of the photographic proceeds under a free the protection of the photographic state of the size that of North and Secusion of the photographic state of the size the North Secusion of the photographic state of the size of the size that of North Secusion is the photographic state of the size of	shat de	rived f	rom a c	liseussion that of	of the	photogra	phic
The electromater from the was not in action in action in action from the week, throughout the week.	8.8	8.8	8.8	11.9		Very fine. Sn afternoon; afterw	fine. Sn on; afterw	10 M	nall s	mounts loudless.	of light	ht cloud	d till	of the In re	air fron eading wer," t	n a discussi the column han the ave	of the air from a discussion of the anemometric records for the 16 years ending 1875.  In reading the comms 9 and 5 it will be borne in mind that + indicates "higher," than the average of the first of	retric r	ecords	for the	l6 years e	icates "	higher,"	and
25 11'9 Fine with varia	11.9 Fine with	11.9 Fine with	11.9 Fine with	11.9 Fine with	Fine with			120	ble an	variable amounts of light cloud	light	pnole.	1	The surtheir	thermorface, a	t the end of	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their regulngs are registered by the Clerk of the Market, under instructions from the	hames ies of terk of	are sus	pended reign Ca arket,	at a dept	h of tw ket at D struction	o feet below eptford, and is from the	and the
0.2 II.8 Cloudless in ea	11.8 Cloudless afterwards.	11.8 Cloudless afterwards.	11.8 Cloudless afterwards.	11.8 Cloudless afterwards.	Cloudless afterwards.	Cloudless in ea	lless in eaurds. Brish	ea	rly n	in early morning; Brisk wind.	generally		overcast	Corporation The reco	ration crecord ls emp	Corporation of London. The record of Electricity symbols employed are: F.	is derived	from Th	lve; w.	's self-r , weak;	Thomson's self-registering Electrometer, ative; w. weak; m. moderate; s. strong	g Electrerate; s.	strong	The ; and
28 J Cenerally Goudy; fine.	11.7	11.7	11.7	11.7		Generally cloud	rally cloud	2	ly; fin	· ·				The ag	numbe	ers in colum	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of Dright sunshine on the negative seconds of the negative seconds	the C	lampbe	ill-Stoke	s Sunshi	ne Instr	ument,	show
Sum Sum 17.4- 83.6				1	Sum 83.6									civil d	ay, or f	rom midnig g of the bard	The Freshis or an interpretable to the decontrol of the behind the second of the second of the behind the second of the behind the second of the behind the second of the behind the second of the behind the second of the second	rom 29	48 in. s	of the be	Kinningo ho 24th :	ou as as	ok to 29"	o the

#### OFFICIAL COPY.

# WEEKLY RETURN

#### DEATHS IN AND LONDON BIRTHS

AND IN

# TWENTY-SEVEN OTHER QREAT TOWNS.

# By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 40. 1889. Vol. L.

WEEK ENDING SATURDAY, OCTOBER 5.

Price  $1\frac{1}{8}d$ .

General Register Office, Somerset House, 7th October, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.6 per 1000. The death-rates in each of the last four weeks in the several towns, alphabetically arranged, were :-

	Weeks ending	5		Week	s ending
Towns.	Sept.   Sept.   Sept.   14.   21.   28.	Oct. 5.	Towns.	14. 21.	1
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull - Leeds - Leicester* -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	13·2 19·8 17·7 18·2 18·9 15·9 11·1 10·1 20·6 15·7 20·8 18·1	London Manchester - Newcastle-on-Tyne* Norwich - Nottingham - Oldham Plymouth - Portsmouth - Preston - Salford* - Sheffield - Sunderland	14·8   15·2 21·1   21·2 25·6   26·3 16·0   19·3 14·7   14·3 16·1   17·6 18·5   15·2 27·5   27·3 13·4   18·3 18·7   21·6 25·7   25·7	$\begin{array}{c} 9 \   18 \cdot 7 \   19 \cdot 2 \\ 2 \   16 \cdot 3 \   16 \cdot 6 \\ 24 \cdot 5 \   25 \cdot 8 \\ 9 \   27 \cdot 2 \   25 \cdot 3 \\ 9 \   14 \cdot 9 \   23 \cdot 2 \\ 3 \   12 \cdot 5 \   14 \cdot 9 \\ 5 \   14 \cdot 7 \   15 \cdot 8 \\ 7 \   32 \cdot 7 \   19 \cdot 3 \\ 19 \cdot 6 \   17 \cdot 4 \\ 5 \   31 \cdot 0 \   19 \cdot 5 \\ 3 \   17 \cdot 1 \   19 \cdot 4 \\ 0 \   19 \cdot 5 \   19 \cdot 5 \\ 3 \   27 \cdot 6 \   25 \cdot 7 \\ 0 \   25 \cdot 9 \   24 \cdot 0 \\ \end{array}$

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.1 in Bradford, 1.2 in Sunderland, and 1.5 in Preston; from scarlet fever, 1.4 in Bolton and 5.3 in Plymouth; from whooping-cough, 1.0 in Preston and 1.1 in Bristol; from "fever," 1.0 in Manchester and in Birkenhead, 1.2 in Leeds, and 1.3 in Salford; and from diarrhæa, 1.7 in Brighton, 1.8 in Salford and in Bradford, and 5.7 in Wolverhampton. The 63 deaths from diphtheria in the twenty-eight towns included 45 in London, 7 in Manchester, 5 in Salford, No death from small-pox was registered in any of the and 2 in Liverpool. twenty-eight towns. LONDON.

In LONDON 2364 BIRTHS and 1381 DEATHS were registered. Allowing for increase of population, the births were 347, and the deaths 77, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had increased in the four preceding weeks from 14.0 to 16.3, further rose last week to 16.6. During the thirteen weeks of last quarter the mean death-rate was 16.5 per 1000, and was 2.5 below the

mean rate in the corresponding periods of the ten years 1879-88.

The 1381 deaths included 9 from measles, 20 from searlet fever, 45 from diphtheria, 14 from whooping-cough, 19 from enteric fever, 2 from ill-defined forms of continued fever, 52 from diarrhoea and dysentery, 1 from cholera, and not one from small-pox or typhus; thus, 162 deaths were referred to these diseases, being

43 below the corrected average weekly number.

60198.—1. 610.—10/89. Wt. 14.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

No death from small-pox was registered, the corrected average being 4. The fatal cases of measles, which had numbered 3 and 7 in the two preceding weeks, further rose to 9 last week, but were 12 below the corrected average. The fatal cases of scarlet fever further declined to 20 from 25 and 22 in the two preceding weeks, and were 30 below the corrected average; 4 belonged to Newington sanitary area. The 45 deaths from diphtheria showed a further increase upon recent weekly numbers, and exceeded the corrected average by 23; 4 belonged to Hackney, 3 to Shoreditch, 6 to Bethnal Green, 3 to Mile End Old Town, 4 to Hackney, 3 to Shoreditch, 6 to Bethnal Green, 3 to Mile End Old Town, 4 to Hackney, and 3 to Lambeth sanitary areas. The 14 fatal cases of whooping-cough showed a considerable decline from the numbers in recent weeks, and were 10 below the corrected average. The deaths attributed to diarrhæa and dysentery declined to 52, and were 3 below the corrected average. The 19 deaths referred to enteric fever corresponded with the number in the previous week, and were 5 below the corrected average; 6 belonged to Islington sanitary area. The 225 deaths from diseases of the respiratory organs showed a further increase upon recent weekly numbers, but were 22 below the corrected average.

### GREATER LONDON.

In Greater London 3138 births and 1739 deaths were registered, corresponding to annual rates of 29.0 and 16.1 per 1000 of the estimated population. In the Outer Ring 18 deaths from diarrhea, 7 from diphtheria, and 5 from scarlet fever were registered. The deaths from diarrhea included 3 in Tottenham and 3 in West Ham sub-districts. Three fatal cases of scarlet fever occurred in West Ham and 2 of diphtheria in Hillingdon sub-districts.

DEATHS BELONGING to the SEVERAL SANITARY AREAS OF REGISTRATION LONDON registered in the 13 WEEKS ENDING ON 28TH SEPTEMBER, 1889.

					-		_	_				
			De	aths fr	om Pri	neipal Z	ymotic	Disea			r.1	to to
SANITARY AREAS.	Total Deaths from all Causes.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever,	Simple and Undefined Fever.	Diarrhea.	Deaths of Infants under 1 Year of Age.	Deaths under 1 Year to 1000 Births registered.
REGISTRATION LONDON West.	17,576	-	218	190	456	300	8	143	9	1961	5779	183
Paddington	890 875 876 426 426 243 310 109	11111111	1 1 8 5 6 5	15 10 9 3 1 5	16 36 11 7 3 9 8	3 5 4 9 15 - 2	1111111	8 8 8 4 6 1	1	45 48 38 59 44 19 26 7	122 151 128 181 151 50 81	168 171 186 228 203 120 200 226
North.  Marylebone	616 175 1051 1101 837	11111	7 10 15	4 1 9 6 7	7 8 31 18 24	23 4 28 32 5	1	7 - 8 17 11	1111	89 12 120 137 78	175 43 362 376 251	189 129 207 164 157
CENTRAL.  St. Giles	218 86 142 151 828 227 177		7 1 1 8 4 8 4	1 2 6 7 4	7 1 8 2 9 4 2	1 1 2 2 4 1 1	111111	2 1 - 2 3 2	11111111	22 7 19 10 38 28 8	52 20 45 87 99 76 81	186 263 254 152 192 157 163
EAST. Shoreditch Bethnal Green	610 648 389 849 827 471 653	F 1 F 2 1 T	9 12 4 1 2 8	6 7 - 5 8 15 5	23 54 9 15 12 12 18	8 11 2 1 4 1 10	1	6 7 5 8 4 3 4	1	78 74 48 53 43 64 60	218 231 128 124 96 173 215	207 197 217 287 192 178 160
SOUTH.  St. Saviour Southwark - St. George Southwark - Newington St. Olave Southwark St. Olave Southwark	165 347 543 71 408 181 1188 450 693 766 221 180 265	7	12 8 8 2 13 8 1 22 19 2 3	3 4 19 1 14 1 5 4 5 2 - 1	4 3 16 8 49 5 10 24 7 1	7 6 16 1 7 4 80 19 9 24 15 2 8	1	1 5 2 5 8 4 5 8	3 2 2	18 38 55 10 54 22 119 85 49 100 119 22 15 31	61 123 197 22 184 66 381 286 381 296 205 263 71 54	296 234 215 212 181 179 192 125 177 208 173 173 150 127

In the above Table all deaths in Hospitals and in other Public Institutions within Registration London, as also 21 that occurred outside that area in the Strand Union Workhouse at Edmonton, the Holborn Union Workhouse at Mitcham, and the Metropolitan Asylum Hospitals, have been distributed to the sanitary areas from which the deceased inmates were admitted. On the other hand the deaths of 305 non-residents who died in Public Institutions inside London have been excluded from the Table.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.58 ins.; the highest reading was 29.77 ins. on Wednesday evening, and the lowest 29.32 ins. on Friday morning. The mean temperature of the air was 48.9, and 5.4 below the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably below the average on each day of the week, the coldest day being Friday. The direction of the wind was variable, and the horizontal movement of the air averaged 11.5 miles per hour, which was 1.1 miles above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0.90 of an inch. The duration of registered bright sunshine in the week was 10.0 hours, against 15.5 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of SEPTEMBER 1889; according to their returns 177,725,797 gallons or 807,490 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 235 gallons (106.8 decalitres), being rather more than a ton by weight, to each house, and, assuming 7.8 persons to each house, 30.1 gallons (13.7) decalitres) to each person, against 29.1 gallons during September 1888.

		Houses, &c.	Average daily S in Ga	
COMPANIES.	SEPTEMBER.	SEPTEMBER.	SEPTEMBER.	SEPTEMBER.
	1888.	1889.	1888.	1889.
TOTAL SUPPLY	742,869	755,821	168,890,449	177,725,797
From Thames	358,208	364,359	83,491,556	88,925,771
	384,661	391,462	85,398,893	88,800,026
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	34,701	35,100	9,119,319	9,731,123
	70,739	\$72,256	15,473,260	15,922,926
	110,097	111,504	23,639,207	24,572,920
	54,761	55,678	17,002,470	18,444,702
	87,910	89,821	18,257,300	20,254,100
Liea and other Sources.  New River East London Kent	150,819	152,871	31,315,000	83,160,000
	162,831	166,033	41,505,346	43,204,492
	71,011	72,558	12,578,547	12,435,534

Note.—The Return for September 1889, as compared with that for the corresponding month of 1888, shows an increase of 12,952 houses, and of 8,835,348 gallons of water supplied daily.

# Analysis of Metropolitan Water Supply during September.

Water-analysis Laboratory, The Yews, Reigate, 30th September, 1889.

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the SIR. month of September.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 1·1, New River 1·4, Colne Valley 1.5, Tottenham 1.6, Southwark 1.9, East London 2.1, Chelsea and Grand Junction 2.3, West Middlesex 2.4, and Lambeth 2.5.

The water drawn from the Thames by the Chelsea, West Middlesex, Grand Junction, and Lambeth Companies has not quite maintained the high degree of organic purity which it exhibited in August, but the Southwark Company's supply in September was quite equal to that of August; and all the rest of the Thames-derived waters were of good summer quality. All were efficiently filtered

The water abstracted chiefly from the River Lea by the New River and East London Companies was also efficiently filtered and of high organic purity, more especially the New River Company's supply which slightly surpassed in this respect, two out of the three deep-well waters. The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a high degree of organic purity, the Kent supply being especially distinguished in this respect. All these waters were clear and bright, that of the Colne Valley Company was softened before delivery, and was thus rendered suitable for washing.

Seen through a stratum two feet deep, the waters presented the following appearances: - Kent, Colne Valley, Tottenham, and New River, clear and colourless; the remaining waters,

clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied

to that city was "very slightly turbid and yellowish green in a two-foot tube."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter. Organic carbon unusually low."

The Registrar General, &c. &c.

E. FRANKLAND.

## RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

_											
OR	COMPANIES LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES.	September 16th.  Cab Rank, Horse Guards,  Whitehall.	17.8	23.66	•111	*025	0	144	*169	1.7	16:0
	West Middlesex -	( September 16th. )	18.8	25.04	•117	*024	0	*168	187	1.7	
		(Cab Rank, Portland-road.)  September 16th.	17.9								16.6
9	Southwark	Cab Rank, Bricklayers Arms, Old Kent-road.	17-9	26.80	*086	*024	0	*156	*180	1.7	18.2
Inner Circle.	Grand Junction -	September 16th. Cab Rank, Uxbridge-road, near Marble Arch.	18.7	26.14	•110	*023	0	*154	.177	1.7	18.2
Inner	Lambeth	September 16th. Cab Rank, St. George's- road, Southwark.	18.4	26°32	•122	*027	0	*162	•189	1.7	18.0
	LEA. New River	September 16th. Cab Rank, Tottenham Court-road.	17:4	28.96	•057	•025	0	.218	•243	1.7	19.7
	East London -	September 16th. Fire Brigade Station, Commercial-road, E.	17.6	28.82	•097	*024	0	•211	•235	1.9	19.7
le,	Kent	September 16th. Mill Lane, Deptford.	12.2	43.74	*050	.016	.0	•517	•533	2.2	29.2
Circ	Colne Valley	September 17th. Bushey.	mes	19.00	.069	.017	*005	*399	420	2.0	8.1
Outer Circle.	Tottenham	September 18th. Tottenham.	-	47.84	*682	.012	.040	*494	*542	3.5	26.0
	poration of Birming-	September 5th. 27, Moseley Street.	17.2	30°18	*234	*040	.001	•110	•151	1.7	17.7
Co	rporation of Glasgow+-	{ September 16th. Loch Katrine Water. }	14.0	2.40	•102	.022	0	•003	•025	0.75	1.1
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
 Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 16th September at the Horse Guards cab-rank, had a temperature of 17° · 8 C.; 100,000 lbs. of it contained 23 · 66 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained '111 lb. of carbon and '025 lb. of nitrogen. The above quantity of water also contained no ammonia, and 144 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was '169 lb. The above weight of water also contained 1.7 lbs. of chlorine; and 16.0 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same

operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

TABLE 1 .- BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 5th October, 1889.

		CITIES	AND BOROUGHS.		28 TOWNS.	LONDON.	BRIGHTON. PORTSMOUTH.	NORWICH.	PLYMOUTH. BRISTOL	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	Nothingham.	DERBY.	LIVERPOOL	ROLTON.	MANCHESTER.	SALFORD.	GLDHAM.	PRESTON.	HUDDERSFIRED.	HALIPAX.	BRADFORD.	SHEFFIKID.	L.	SUNDERLAND.	CASILD.	12.5	EDINBURGH.	GLASGOW.		
-			metres.	Cols.	•							_			_		MAN	SALI	BLA	PRE	Hub	HAL				-		CAB		_		
ı	RAINFALL		In Centi-	24.	1.24		8.10	1 3	0.48	1.03	•	1	0.43	1 1	0.56	3			-	_			01.0	•	1.35	1 5	4		2.46	1 6	4	
=	RAI		In Inobes.	23.	0.49	06.0	1.22	1 3	0.19	0.40	1	1	0.17	1 1	66.0	,	1	•	1 1		1	1	0.0		0.23		00.0		26.0	1 0	000	
	E AIR.	евп.	.9bargitneU	22.	00.6	9.39	08.6	1	10.11	19.4	ı	1	49.8	1 1	9.56	,	1	1			1	1	8.44	1	90.8	1 7	A I		90.6	10.0	表記の	
ı	E OF TH	M	k'ahrendeit.	21.	48.2	48.9	48.9	1 8	50.2	45.7	1	1	47.6	1 1	4.6.6		1	•	8 (	ı	1	1	47.2	1 1	46.5	1 0	0.26		48.3	101	49 I	
ı	TEMPERATURE OF THE AIR.	.3	nheit.	20.	34.0	40.3	- 48.0	1 6	S 6.	35.0	,	1	34.7	1	41.8	1	ı	8	1 1	1	ı	8	39.2	1	34.0	1 00	0.25		87.5	1000	1 00	
			F. Highe	19.	2.09	29.1	9.99	•	60.2	57.4	ı	1	0.29	1	26.0	1		1		1	1	1	2.99	1 1	0.99	1 2	0.70		0.62	1 00	0 00	
Rate !	900, anding	he	From Diseases in Cols. 6-12.	18.	2.2	1.6	1.1	1.1	200	6.3	1.4	0.3	5.0	1 60	2.5	3.6	3.6	2.7	D. 4	4.0	9.0	1	4.4	1.8		10 0	0.0		1.4	8.8	F	
Annual Rate	per l	to the Week's Deaths	From All	17.	9.41	9.91	17.4	23.5	15.9	24.0	18.5	2.01	14.9	1.01	19.9	17.71	25.8	19.4	15.8	19.2	12.4	9.02	18.5	19.5	8.07	25.7	22.9	7.11	17.8	20.0	7 97	
-		dass.	Uncertified (1)	16.	89	10	20 01	1	1 -	1	8	63	ı	1	13	1	70	64 (	n !	-	4	d	3 0	D 10	00	1	23			-	% ₩	
		181	Deathair Public Litution	16.	578	335	CO 02	1 '	133	6	14	9	00 1	- 0	5 75	9	42	12	000	0 6	00	4	00 -	14 6	9	4	00 0	20		355	_	- Parties
			Inquest Cas	14.	235	611	1 1	67	69 Y.	4	6	27	9		7 19	9 00	22	00	op =	4 0	1 1	0	4.	€ 10	00	10	9	21	۵.	0.	47	T. D.
١	nde	1	Vlolence.	13.	129	62 ]	1 1	1	1 -	1 01	9	1	တ		1 6	2 03	14	67	г,	4 1	1	63	63 (	23 0	00	63	63	1	67	16	4	10.41
	The DEATES registered in the Week include		.sodrraid	12.	147	52	47 ⊢1	1	c1 4	9 00	10	7	03	1 -	7 0	0 63	90	တ	- 1	- 0	ь	1	00	9 4	4	တ	20	1	67	1	3.2	ı
ı	he We		Ferer.	11.	62	21	: =	1	1 1	1	1	1	က	1 0	4 K	-	L-	9	H	1 1	1	1	27	oo 1	67	Н	-	1	1	9	2	9
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١	gister	Deaths	Diphtheria.	9.	63	45	1 1	-	1 -	۱ ا	1	1	1	1		1 1	-	10	1	1	1	ı	ı	1	1 1	-	1	1	ೲ	တ	1	1
П	THEL	I	Searlet Fever.	8.	52	03	1 -	1	ا م	1	-	1	-	1 1		0 00	63	Н	ı	1	1	1	4	51 F	- 1	-1	1	1		00	1	ı
II	e DE		Messles.	F	34	6	1 1	-	1	1	67	1	H	1	1 0	N -	1	7	<b>C3</b>	1 0	o 1	1	20	67	1	ೲ	23	1	1	00	-	l
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		lo B	Persons ared 60 Years and upwards.	5.	683	320	14	18	L 0	13	96	9	20	9	ים ל	27	000	13	14	13	2 2	2	15	24	19	10	11	H	29	28	34	1
(our		Deaths	Infants under I Year of Are.	4.	912	376	10	14	00 ;	13	40	6	17	4	10	67	48	23	00	14	33	11	55	35	32.	16	31	6	16	69	12	1
	during	nding	ė	80	3219	1381	44	42	29	0.0	115	31	89	19	32	223	187	87	48	46	28	32	82	124	83	99	28	24	91	208	177	1
ADLE	Registered during	the Week ending	BIRTHS. 1)	21	5541	2864	48	29 62	20	132	97.9	200	110	68	55	849	283	138	26	74	52	44	130	247	128	66	129	94	146	387	613	١
	_=	Z	to the middle of the Year 1889.	1.	9.555.406	4.851.788	121,807	141,253	78,225	229,361	02,049 4 09 K	150 590	-287,812	98,529	102,541	114 650	878.800	284,283	142,405	121,275	92,825	81,080	235,056	357,449	208.017	184,193	160,988	112,712	266,900	528,144	353,082	D-Closed Section Co.
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		O O A Section	AND BORUUGHS.	5	OB WOWNS	· MONTON	BRIGHTON .	PORTEMOUTH .	PLYMOUTH .	BRISTOL	WOLVEBHAMFIUM	BIRMINGHAM.	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL .	MANCHERE	SALFORD.	Огрнам .	BLACKBURN .	HUDDERSFIELD	HALIBAX .	BRADFORD	LEEDS .	HULL .	SUNDBRLAND	NEWCASTLE*	CARDIFF.	EDINBURGH -	. LASGOW .	DUBLIN -	

\* See note on first page of this Return

Table 2. LONDON .- Births and Deaths Registered in the Fortieth Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females .	2580	2261	2468	2467	2387	2610	2491	2538	2647	2413	2711·1	236 t
	1243	1125	1238	1265	1221	1311	1279	1304	1387	1212	1372·3	1180
	1337	1136	1230	1202	1166	1299	1212	1234	1260	1201	1338·8	1184
Total Deaths  Males Females .	1318	1398	1362	1422	1252	1328	1309	1365	1265	1352	1458·1	1381
	708	742	679	736	637	705	655	741	688	701	762·5	728
	610	656	683	686	615	623	654	624	577	651	695·6	653

The numbers in this column are the average weekly numbers in the fortieth weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABL	E 3. LUNDON:—I	تطننة	التحالات											
		July 13.	July 20.	July 27.	Aug.	Aug.	Aug. 17.	Aug.	Aug. 31.	Sept.	Sept.	Sept.	Sept. 28.	Oct. 5.
TOTAL	Births	2306	2627	2376	2481	2180	2715	2358	2425	2373	2432	2344	2504	2364
TOTAL	Deaths	1605	1556	1553	1532	1366	1382	1240	1263	1170	1236	1267	1361	1381
Ages at Death	0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - at 80 years & upwds.	902 151 232 257 63	908 164 197 245 42	898 166 228 212 49	850 161 209 261 51	739 139 222 216 50	727 160 202 235 58	628 140 197 223 52	569 172 235 240 47	535 151 219 216 49	583 164 207 233 49	599 157 248 216 47	644 186 244 245 42	630 201 230 261 59
93	Under 1 year	617 196 89	631 197 80	599 216 83	555 193 102	468 195 76	447 195 85	387 163 78	331 156 82	306 141 88	313 204 66	382 182 85	386 165 93	376 172 82
99 99 99 99 99 99 99	, Measles Scarlet fever - Diphtheria - Whooping-cough Typhus Enteric fever - Simple Conta fever - Diarrhea and Dysentery - Cholera	30 9 25 26 - 8 2 258 10	29 12 23 29 - 7  273 10	20 6 44 19 - 8 1 271	25 11 45 22 - 8 - 199 4	15 16 28 19 2 6 1 175	18 13 36 17 - 8 - 158 4	9 16 37 20 - 11 - 109 2	12 17 32 21 - 12 - 78	9 18 30 28 1 21 1 68 3	10 17 41 18 - 19 2 68	3 25 44 26 - 11 1 73	7 22 44 23 2 19 1 80	9 20 45 14 - 19 2 52
"	" all the above- mentioned Diseases	368	383	379	314	266	254	204	173	179	175	184	198	162
27 27 27	, Dis. of Respira- tory System , Phthisis - , Dis. of Circula- tory System }	158 127 117	141 136 102.	160 150 91	182 126 110	149 128 93	162 185 111	115 139 104	148 149 93	142 134 95	152 137 102	149 157 110	189 146 112	225 148 123
Violent Inquest Deaths	Deaths Cases	83 129 356	43 83 348	60 113 314	70 115 325	65 114 320	108 319	56 98 279	51 93 335	47 86 327	101 316	54 96 324	62 119 <b>3</b> 3 <b>5</b>	62 119 335
Mean Mean	of Highest readings -	63·0 72·9 56·2	58·7 69·9 51·3	58·1 67·7 51·9	64·9 76·2 55·3	60·4 72·8 52·0	59·3 69·7 52·5	57·8 68·1 51·1	60·2 73·0 48·5	60·5 69·1 55·2	63·0 74·6 53·8	51·1 62·2 41·6	50.6 58.9 42.9	43·9 56·7 43·8
	ty of the Air	ε0 0·72	80	82	76 0·20	80	82	80	74	88 0·54	76	74	0.85	89
	red Sunshine (in hours)		28.1	26.2	36.5	46.0	26.8	26.2	53.9	22.6	43.4	40.2	17.4	10.0

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawer, Esq., F.S.A., Brighton: John Merrifield, Esq., L.L.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Harthup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq. Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FORTIETH Week of the Year 1389.

			•				_			of the Teal 1905.			•	_	-	•	_		-
	s for the	8	satur	aths	of Pe	rson	er 18	89.			s for the	- 8	latur	aths	of Pe	erson	er 18	89.	
AUSES OF DEATH.	Corrected Averages 1 40th Weeks of the 10 1879-88.*	ALL AGES.		nder 20.	6 -20.	20 and under 40.	40 and under 60.	and und	so Years and upwards.	CAUSES OF DEATH.	Corrected Averages for 40th Weeks of the 10 1879-88.*	ALL AGES.	0-1.	Inder 20.	10 A:	20 and under 40.	40 and under 60.	and und	upwards.
ALL CAUSES	1458'1	1381		172	82	1	230	1		Diseases of Organs of Special Sense † }	1.4	2	1	-	1	-	-	-	_
Small- pox Vaccinated; - Unvaccinated No Statement	} 4.4	-	1 1 1	-	-	-	-		-	Diseases of Circulatory } System }	107.5	123	-	2	3	20	40	49	9
Measles Soarlet Fever Typhus	21·2 49·6 1·2 0·0	9 20 -	1 -	8 11 -	6 -	2	1 1 1	1 1 1		Croup	18·1 181·0 72·1 5·8	13 123 66 5	1 87 18	11 26 15 1	1	4 9 2	13 11 2	34 12	81
Relapsing Fever † Influenza Whooping-cough Diphtheria	0°1 24°0 21°7	- 14 45	5 4	9 29	11	- 1	-		-	Pentition t	25·8 	8 1	6 -	2 -	2	2	- - 1	6	1
Simple Continued and   Ill-defined Fever -   Enterio Fever   Cholera	2·2 23·8 1·3	2 19 1	-	1	2 6 -	- 6 1	4	2	-	Quinsy, Sore Throat † - Enteritis Peritonitis Diseases of Liver - Other Diseases of Digestive System -	8.6 5.1 85.5 30.1	15 4 86 27	7 2 7	1 1 2	1 1 1	8 8 8	12 6	12 8	1 -
Diarrhœa, Dysentery - Remittent Fever† Hydrophobia	55°1 0°0 0°2 0°0	52 - -	47	4		1 1 1 1	-	1 -	1 1 1	Diseases of Lymphatic System & of Ductless Glands †	1.2	-	-	-	-	-	-	-	-
Glanders Cowpox and Effects of Vaccination † Veneraal Affections -	0.0	10	7	-	-	-	2	1	-	Diseases of Urinary System }	37.5	33	-	3	2	5	10	13	-
Erysipelas – – – Pysmia and Septicsmia † Puerperal Fever – – Other Zymotic Diseases †	5'8 2'6 4'6 2'4	1 4 1	4		-	4	1			Diseases of Generative System	5.7	8 3	-	2	-	3	1	3	-
Thrush Worms and other Para-sitical Diseases	3.7	1	-	-	-	-	-	-	-	Diseases of Locomotive System † }  Diseases of Integumen- }	6.0	7	1	-	5	-	3 - 2	2 4	-
Starvation, Want of Breast-milk † }	2.6	5 5	4	-		- 2	1 2	- 1	Ī	VIOLENT DEATHS.§									
Rheumatic Fever, Rheumatism of Heart†	8.4	8 2	-	1	4	- 1	3		- 1	(Accident.)  Fracture and Contusion Gunshot Wound Cut, Stab Burn and Scald	24·4 0·1 0·3 3·8	28 - - 6	1 - 1	2 - 2	3 - 1	7 - 1	1 1	8	1
Gout Rickets †	2·3 2·4 54·5	7 51	3 -	4	- 1	7	22	17	- - 4	Poison Drowning	1.9 5.8 8.7 2.5	2 5 12 2	12 1	-	2 -	8 -	1 - 1	-	
Tabes Mesenterica - Tubercular Meningitis - Phthisis Scrofula, Tuberculosis -	36°5 24°4 159°5 18°3	24 16 148 20	18 11 - 10	5 3  2	1 2 7 5	80	53	8 -		(Homicide.) Murder & Manslaughter	1.7	-	-	-	_	-	-	-	-
Other Constitutional Diseases †	10.0	10	42	-	1	3	8	3	-	(SUICIDE.) Gunshot Wound Cut, Stab Poison	0·7 1·0 1·5	1 3 1		111		1 3	- 1	-	111
Atelectasis † Congenital Malformations Old Age	8.8	3 19 49	3 18	1	-	-	-	- 29	- 20	Drowning Hanging Otherwise	1.0	2 -	-	=	-	- -	ī -	-	-
Apoplexy Epilepsy	42.9	48 9	-	1	- 2	5 2	15 5	21	6 -	(Execution.) Hanging	0.1	-	-	-	-	-	-	-	
Other Diseases of Brain and Nervous System	} 42·8	61	84	8	6	5	6	22	7	OTHER CAUSES †	70.6	65	58	4	-	1	1	1	-

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9 046 per cent. for increase of population.

As the ten years average could not be correctly ascertained, the average for the seven years seed a male bed used. These cases of small-pox only are returned as "macinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered DEMISTRIAN THE CASE AND ASSETTING AND ASSETTING THE CASE AND ASSETTING AND ASSETTING AND ASSETTING AND ASSETTING ASSETTING AND ASSETTING AND ASSETTING ASSET

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of secident, murder

TABLE 5. LONDON .- POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SOAR during the Week on

				1			The	DEA	THE	regist	ered i	in the	Wee	kine	lude		
	Enume-			Deat	hs of	1				Dent	hs fro	om				1	1
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881.	Total BIRTHS	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterie (or Eyphoid) Fover.	Simple con-	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public
LONDON	3,815,704	2364	1381	376	320	-	9	20	45	14	-	19	2	52	62	119	33
WEST DISTRICTS	669.683 905.947 282,238 692,788 1,265,148	367 526 128 482 861	234 316 87 286 456	68 72 24 81 131	65 78 9 59 109	-	2 1 1 8 2	3 7 - 3 5	4 17 5 8 11	2 1 1 4 6		5 8 1 3 2	1 - 1	5 9 5 19 14	11 13 6 9 23	17 29 10 29 34	7. 7. 2. 7. 8. 8.
St. Mary Paddington WHH G.J. &W.M. St. John Paddington H - G.J.	69898 37830	41 15	247	8	2 7	-	-	-	H	-	-	ī	-	-	8	4	5 5
Rensington Town Ww - W.M. & C.  By Pater Hammarsuith - W.M.	120141 43010 7599	59 10	12	2	19 6 1		-	1 1	1	1 1	1 1	1	-	-	2	3	17
St. Paul Hammersmith H W.M. & G.J. Fulham Www - W.M. & C	64340 42900	5 47 51	3 25 29	13 12	6	-	-	8	-	-	-	2	-	1 2	1 - 1	1	2 10
Chelsea South HHH - C. Chelsea North-west WHHHHH. C. C. Chelsea North-east	0396 24925 32807	19 19 2	14 7 7	5 1 3	2 1 -	1 - 1	1	111	1	-	-	-	-	1 -	-	2	6
May Fair WW G.J.  Belgrave WHHH C.  St. John Westminster HHH - C.  St. Margaret Westminster H - C.	80353 59220 35496 24679	12 27 19 8	9 18 6 14	2 5 8 6	6 5 1		1111	1111		-	-	1 -	1111	- 1	1 2 1	1 2 2	8 1 6
St. Anne Soho HHHHHHHH - NR.	29941 16608	7 7	2 6	2	1 -	-	-	-	-	ī	-	-	-	-	-	-	ī
NORTH DISTRICTS.  Ali Souls Marylebone HHHHH - W.M. Cavendish Square HHHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb HHH G.J. & W.M. Christchurch Marylebone III - W.M. St. John Marylebone III - W.M. Hampstead Www H N.R. & W.M Regent's Park Paneras H - W.M.	26759 14891 24809 21118 33700 33633 45452	6 5 13 32 19 13 29	16 2 5 9 8 6 16	2 1 2 4 2 3 2	3 3 1 3 6 3		1111111	3	111111	1	1111111	011111			1 - 1	1 3 1 -	7 1 1 - 4
Tottenham-court whilin N.N. & W.M., Gray's Inn Lane HHH - N.R. 80mers Town H N.R. Camden Town WH N.R. Kentish Town W N.R.	27729 30247 34369 17311 87487	14 16 21 9 52	14 4 14 14 20	2 1 7 2 7	6 - 2 10 4		- 1 -		1			1		1 1 3	3 1 1	2 1 4 2 -	11 1 8 2
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	67946 100976 61895 52048	46 57 89 21	46 26 16 16	9 8 1 2	1 3 1 4	1 1 1 1	1111	1	1111			3 1 1	1 -	1 1 1 1 1	1 -	2 2 2 2	21
Stoke Newington H	92781 9277 87610 76911 39888	24 7 25 50 14	6 4 12 44 7	5 5 2	1 1 5 2	11111	11111	- 3 -	14	-		2 -		1111	1 2 -	2 2 1	23
CENTRAL DISTRICTS.  St. George Bloomabury - N.R. St. Giles South WH N.R. St. Giles North N.R.	16681 14864	2 15	6	- 1	- 1			-	-	- '	-	-	-	-	-	-	
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	13837 17508 7515 8559	4 1 6	3 3 3	1 1 -	1 22 1	1 1 1 1	1 1 1 1		-					1111	11111		3 - 3
Strand Union Workhouse, Edmonton w.	18671 10706 6588 17516 19281 14773 17506 11541 18628 9217 7468	11 4 2 8 8 14 9 8 13 8	1 7 4 1 1 2 4 5 8 7 1 1 1 2	2 2 1 1 3 1 2 4	3 1		1	4 1 1 1 7 1 1 1 1 1 1	1			1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 - 1 - 1 2 2 -	1
Holborn Union Workhouse, Mitcham, w. St. Botolph H N.K. & E. L. Crippicgate N.K. & E. L. & K. & K. & K. & K. & K. & K. & K.	11174 7193 5358 8396 13666 5652	6 - 1 2 -	2 1 15 15	1 1 2 7	1 1111	rities t	111111		1 1 101 1 1	1	. 1 1 1 1 1 1	111111	111111	1	1 1 1 1 1 1 1 1		14

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namelyj: # - W house; #-Hospital; L- Lunatic Asylum; w-A Workhouse Establishment receiving inmates from other Districts than that in which is see note at the toot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts i--G.J. step Grand Junction Company; W.M. West Middleger; C. Chelsen; S. Nouthwark and Vanhali; L. Lambeth; N. R. New River; E.L., East Lond K., the Kent Company.

BB, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sob-district

rday, the 5th October, 1889.							7											and the same of
							The	DEA	тна г	egiste	red in	n the	Weel	k inel	ude			
9	Enume-			Death					. 1	Deaths	fron						3	9
REGISTRATION	rated l'opu- lation, 1881.	Total Birres.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fever.	Simple con-	Diarrbea.	Violence.	Inquest Cases.	Deaths in Publi	Uncertified Causes of Death
EAST DISTRICTS.  ywell Shoreditch - N.R. & E.L. Leonard Shoreditch HL*, - N.R. tton New Town w - N.R. tton Old Town N.R. gerston WH - N.R. & E.L.	7876 14967 29937 28036 4627 <i>8</i>	2 12 18 23 28	2 7 18 8 24	1 2 5 7	10 2 6	11111	11111	1111	11116		1111		11,11	1 1 2		1 1 3	2 8 5	1,111
had Green North WHL* - E.L. had Green South E.L. had Green East E.L.	51157 34399 4140 <i>5</i>	46 12 16	17 8 26	5 8 5	1 2 9	113.	1	1 1 1	1 -	2 -	-	1 1 1	111	111	2 1	5 2 2	11	-
alfields E.L. & N.R. e End New Town W E.L. itechapel Church H E.L. & N.R. dman's Fields E.L. lgate N.R. & E.L.	22585 15478 17490 9718 6102	17 18 10 4 4	9 12 24 1	1 8 4	1 2 8	11111	1	11111	1 8 -	1	-	1111	1 1 1 1 1	1 1 -	1 2 -	1 8 -	7 20	1 1 1 1
George's North E.L. John, St. George East W - E.L.	88747 8410	20 7 9	10 2 9	5	3	-		-	-	-	-		-	3 - 2	-	1 -	2	-
idwell HH - E.L.& N.R. :eliff E.L. achouse E.L.	10395 16107 82041	14 21	1 13	2 1 5	ī	=	-	=	1	ĩ	-	1		ī	1	. 1	-	1 1
e End Old Town West - E.L. le End Old Town East WwwH-E.L.	37960 67653	30 54	13 24	10	5		1 -	ī	1 .	ī	-	-	-	1		1	5	ī
mley wwwH E.L. plar WWH E.L.	87074 64359 55077	24 52 41	10 36 13	9 3	7 2	-	-	-	ī	- ; -		1 -	1	1 1	1 -	1 4 2	11 1	111
SOUTH DISTRICTS.   ristchurch Southwark   WH   L. & S.     Saviour Southwark   - S.     Introd   S. & L.     rough-road WH   - S. & L.     L. & S.     L. & S.     S. & L.     Reter Walworth   W   S. & L.     Mary Newington   - L. & S.     668 14999 21381 15963 21318 26672 59555 21623	11 8 19 7 7 14 88 22	4 2 7 6 5 12 15 5	1 1 8 4 1 2 6 2	1 1 - 1 2 2 2	1111111	111111	1 1 1 1 1 1	1 1 1 1 1 1 1	1	1111111	1111111	1111111	- 21		1 1 1 1 1 1	1 - 1 -	11111111	
Olave WH S. & L. Mary Magdalen W S. James Bermondaey - S. therhithe WH S. & K.	11956 16800 15669 54683 36024	19 12 8 89 29	11 6 6 19 13	4 2 1 9 8	1 1 4				11111			11121	1111	1 1 1	1 -	1 1	9 1 3	1111
$\begin{array}{llllllllllllllllllllllllllllllllllll$	15195 16351 19576 39859 45232 35832 62837 19617	13 14 12 28 25 18 27 16	5 23 20 35 15 12 4	8 2 5 4 4 2 1	1 1 1 7 5 5 8 1	1111111	11111111	1,11111,1	2 - 1 2 -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1111111	1	1111111	1 1 1	6 1 1 2 -	6 8 1 2	1 13 7	1
st Battersea       S.         eat Battersea       S.         apham       S.         andsworth       WHL         S.       S.         treat       S.         reatham       L.	54675 52587 86380 28004 18235 25553	42 51 15 28 8 24	17 22 8 6 3 4	9 6 3 1 1 2	3 7 2 1 1	11111	11111	1 -	1,111,1	1		1	11111	111111	2	1	6	11111
lwich	59104 71089	1 42 42 34	1 52 25 14	8 6 4	19 7 4		1 1 1 1	1111	1 -	1111				1 1 -	1 - 2	1 1 2	24 1 -	1 1 -
Paul Deptford wav $K$ . Nicholas Deptford $K$ . eanwich West $H$ $K$ . eenwich East $WHH$ $K$ .	76752 7901 21972 24608	57 3 18 16	22 5 8 12	8 3 2 3	1 5	- 1 - 1 - 1	2		1 -			1 1 1		1 1 1	-1	2 -	7	1 -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2048 21559 19865 26076	10 14 5	1 5 10 7	1 1 3 -	1 2 3	1111	1111			-	1111	1111		1111	1	1	- 8	1 -
lariton H K, colwich Dockyard K, colwich Arsenal HH K, colwich Arsenal HH K, umstead, West H K, umstead, East W K,	10980 17617 19048 14009 19241	5 16 11 14 28	3 6 6 2 7	2 - 3	3 1 2 - 2	1 1 1 1			1	11111		11111	11111	1111	1 -	1	11138	- 1
etropolitan Asylum Hospitals: Dartford w		=	2	- 1 -		111	1111	2 -	-		111	-	113	111			2 -	-

following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the Table by wi-

Marylebone infirmary in Kensington Town sub-district.

Central London Sick Asylum. in Tottennam Court-road sub-district.

Robboro infirmary in Upper Holloway sub-district.

London City Workhouse "Hoxton New Town sub-district.

Whitechapel "Hoxton New Town sub-district.

Whitechapel "Hoxton New Town sub-district.

Whitechapel "Allie End Old Town Eastern sub-dist.

London City Asylum and Holborn Workhouses outside Registration London City and the London City and the London City and Spring Sub-district.

Private Unnatio Asylum District Hospitals in Fulbara. Ham ney, Britton, and St. Paul, Deptford sub-districts, and Edmonton, and West Ham sub-districts outside Registration Six Private Unnatio Asylum District Hospitals in Fulbara. Stepney Workhouse in Bromley sub-district.

Poplar a Stepney Sick Asylum
Westamuster Union Industrial Seniol in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infranty in Camberwell sub-district.

Metroponica Asylum District Hospitals in Fulbara. Hampstead, Hackney, Britton, and St. Paul, Deptford sub-districts, and in Dartford,
Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6.—LONDON.—OUTER RING.—AREA; POPULATION: BIRTHS and DEATHS registered during

	•			Week	endi	ng Sa	turda	y, 5t	h Oct	tober,	, 1889	),						
Regis-		Area			1	1			The D	EATHS	regist	ered la	the V	Veek i	inelude			
tration		in Acres,	Enume-		1	Dea	ths of				Death	s from						1
District and	REGISTRATION	inclu-	rated	HS.	DEATHS	7.	66 ds.		1	1.		ugh.		1	1		Public	0.1810
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS	EA	under of Age.	aged k upw			Fever.	4	09-8			1	38.88	n Pu	200
Num-		and	1881.	B	A	ar of	rs &	l-po	iles.	et F	ther	opin	2	rh 08.6	9000	986	hs in	21,000
bers.		Fore-				Infants	Persons Years &	Small-por.	Measies	Scarlet	Diphtheria.	Whooping-sough	Fever.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Put	ITna
100		0100000				-	-			-		-		10	70	10	00	
LOI	NON-OUTER RING	370,924	950,957	774	358	89	122	-	2	5	7	2	4	18	10	19	30	-
30:1	Carshalton wL -	12229	21113	10	10	1	5		~	-	_		_	_		-	6	
2	Epsom (part of)* Ww7	9971	10710	4	5	-	3	-	•	-	-	-	-	-		-	4	
87:1	Godstone (part of) * -	2754	1235	3	-	7	-	-	-	-	-	1	-	-	-	-	-	
38:1	Croydon WwHHL -	20851	101241	54	81	4	16	-	-	-			-	1	1	2	1	
39:1	Mitcham w † Wimbledon HHH -	11697 3220	17932 15980	12	8	1 4	1				9	1	-	~		-		
2	Kingston WHH	8549	36354	14 23	6	3	3	-		-		-	-	2		2	2	
8	Esher (part of) * -	6601	9321	3	1	-		-	-	-	-	-	-	-	-	-	-	
	Hampton H	4573	13539	7	2	.1	1	-	-		-	-	-	-	-	-	-	
40:1	Richmond WH	2272 2911	21302 · 12331	18	6	1	3		-	-	-	-	-	-	-	_		
47:1	Bromley (pt. of) * HH	15689	31142	17	7	1	8	-			_	_	-	-	_	_		
2	Chishrst(pt.of)* WHH	14307	15844	12	4	-	3	-	-	-	-	-	-	-	-	-	-	
42:1	Bexiev H	18487	24134	18	10	1	5	-	-	-	1	-	-	-	2	2	-	
124:1	Dartford (Ww, pts. of)*	11055	11000		2	,	1	-	-	-	- 1	- 1	-	-		-	2	
3	Sunbury 60 Staines W	13277	11685 12089	9	3	1 2	1 1	-	-	-	-	-	1 -		2.	-	1	
128:1	Hillingdon WHH -	6029	10802	4	8	1	3	-	-	-	2	-	1	-	-	-	4	
3 8	Uxbridge	6178	5225	8	2	-	2	-	-	- }	-	-	-	-	-	-	-	
126: 1	Hayes wHL	14587	11523	8	4	1	2	-	-	-	-	- 1	-	Ĩ	-	-		
2	Isleworth WHH - Twickenham H	7008 2477	23727 12479	10	8	1	2 2	-	-	-		~		1	1	1	2	
8	Brentford HL	4345	27849	16	15	4	3	-	1	-	-	-	-	1	-	- 1	_	
8	Chiswick	1340 6083	15975	9	3	-	-	-	-	- 1	-	-	-	1	-	1	-	
127:1	Harrow H	13809	22876 12796	16	6	1	2	-	-	-	-	-	-		-			
2	Edgware H	6994	3749	10	3	1		-	-			-				1	-	
3	Willesden	4383	27453	41	14	7	2	-	-	-	-	-	-	1	-	-	-	1
1000 4	Hendon W	8382	10484	9	7	2	-	-	-	1	-	-	1	-	1	3	1	
187:1	Bushey Watford (W, pt. of)* -	9331	6621	5	. 3	-	3	-	-	-	-	-		-	1	-	-	
198:1	South Mimms	15599	6391	5	2		1	_		-/	_						1	
3	Barnet	5433	10092	4	2	-	1	-	-	-		-	-	-	-	-	-	
3	Finchiey HL	4688	17615	12	13	-	6	-	-	-	-	-	-	-	-	-	4	
185:1	Hatfield (part of) * -	3306	883 .	8	1	-	-	-		-	~	-		-	-	-	-	
129:1	Hornsey $H$ Tottenham $H$	3039 4642	37078 45456	22 68	13 31	4 14	5	-	-	-	-	-	-	-	2	8	+	
8	Edmonton Ww ‡ -	7453	23463	17	81		8 5	-	-	-	-	-		3		8 -	3	
4 δ	Enfield WH Waltham Abbey	12653 11017	19104	18	2	-	-	-	-	-	-		-		-	-	-	
6	Cheshunt	8490	5368 7785	4	1 -	-	-	-	-	-	-	-	-	1	-	-	~	
186:1	Stratford	832	38606	32	13	6	3	_		-		-	-	1		. ]		
3	West Ham wwwwH\$	7351	101053	124	37	13	6	-	-	8	1	1	i	8	-	-	-	
4	Leyton WwL Walthamstow H -	4372 6520	32430 28869	41 81	15 18	5 5	6	-	-	-	-	-	-	1-	-		4	
187:1	Chigwell (part of) * H	11761	9633	11	2	-	7	-,	1	1	-	-	-	-	1	1	•	
2	Epping (W, pt. of)* -		-	-	-	-	-	-	_	-	1	-	-	-	-	-	7	
189:1	Romford (part of) * W	6730	3411	1	2	-	.2	-	-	-	-				-	-	-	
3	Barking Town	3193 4127	7645 9203	13	6	2	-	-	-	-	1	~	-	-	-	-	-	
				1	0 1	4	1		- 1	-	-	-		1	-	-	-	

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Wartingham and Farley in Godstone sub-district; 39:3. Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromley sub-district, except the parishes of Cadham as the Cadham as sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 1947); 135:1, the parish of Northaw in Hattle deshes in Workhouses belonging to the Cates Plancis (a. 2. Deshes) and parish of Dagonam in Bomford sub-district. also deaths in Workhouses belonging to the Outer Ring in 42; 2, Dartford, 137; 2, Watford, and 137; 1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospite!, Winchmore Hill (see Table 5)

Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

ABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 5th October, 1889.

	Area			L RATE			The DE	ATHE	regi	stere	i in t	be W	ee <b>k</b> i	nolud	le	
GREATER	in Acres,	Estimated		O living.	DEATHS	Deat	ths of				Death	s from	20.			Publie ious.
LONDON.	tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	11.	15.	16
ATER LONDON	448,334	5,642,015	16.1	1.8	1739	465	442		11	25	52	16	25	70	72	371
uter Ring -	77,410 370,924	<b>4,351,738 1,290,277</b>	16·6 14·5	1.9 1.2	1381 358	376 89	320 122	-	9 2	20 5	45	14 2	21	52 18	62 10	335 36

TE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 10°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,657,164 Persons.

	POPULATION				ANNUAL	Di	ATHS	FROM	DISEAS	ES.	ZYMO	_
CITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS. of Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrheal Diseases.
OUTTA	433,219	August 17	-	226	27.2	1	-	-	1	-	80	43†
BAY	773,196	September 3	281	450	25.7	1	-	P	2	?	132	43+
DRAS	398,777	August 16	299	319	41'5	-	13	?	2	5	74	69
18 81	2,260,945	September 28	-		-	-	-	-			-	-
SRELS	471.606	. 28	245	156	17.2	·-		-	***	2	1	23
3 Faubourgs.) THRDAM -	403,083 {	33 21 38 28	286 289	127 124	16.5	-	3	^ - <u>-</u>	1 4	3 3	1	-
TERDAM -	197,723 {	" 21 " 28	156 136	62 66	16.2 17.4	-	2	_	_	. 1	_	1
HAGUR .	153,440 {	99 21 99 28	110	46 47	15.2 15.3			_	_	2 1	1 2	1
ENHAGEN -	307,000	,, 28	215	132	22.4	-		-	- 11	1	2	10
:KHOLM -	228 218	,, 21	135	. 76	17.3	-	-	2	2*	2	2	13
ISTIANIA -	38 300	<b>»</b> 28	80	43	16.5	-	-		6	7		2
ETERSBURG	842,883	, 14	-	450	27.9	-	19	10	5	6	15	77
LIN	1,489,672	,, 14	. 891	529	18.4	-	3	5	27	10	6	89
INURG(State)	575,276	,, 21	437	212	19.2	-	-	-	14*	7	8	32
SDEN	264,196	,, 21	140	93	18.3	2	-	1	4*	5	-	13
SLAU	315,000	. 28	224	141	23*4	-	1	. 4	8*	3.	-	9
IICH	281,000	» 21	212	155	. 28*3	-	out.	4		-		51
AMP	811,434	» · 21	514	291	18.6		3	-	2	3	3	32
GUR	304,356	" 21	-	127	21.8	3	-	4	6	1		4
A-PESTH -	452,907	ss 21	331	247	28.4	-	***	4	13	4	11	.28
ISTE	158,081	,, 21	-	70	23.0	-		-	2*	-	-	10
2	404,449	August 3	253	185	23.9	3	1	-	4	2	16‡	34
IN (11 days)-	306.393	., 31	-	ette.	-	-	-	-	-	-	w	-
ICR	153,375	September 14	106	84	28.6	5		-	4*	-	4	21
to	374,938	,, 12	390	340	47.3	2	-		1		23	137
KANDRIA -	231,396	,, 12	187	203	45°8	-	-	010	-	-	7	63
YORK -	1,571 300	99 14	-	624 -	20.7	- 1	1	2	19	8	15	95
ORTAR -	814,505	n 14	- "	323	20°2	-	-	1	13	2	5	40
LADELPHIA -	1,040,245	,, 14		352	17.7	-	-	4	. 1	5	19	21
TIMORE -	500.343	, 14	-	164	17.1	-	-	1	5	2	6	13
						-				-		The second name of

<sup>\*</sup> Including deaths from croup.
† Including 16 deaths from cholera in Calcutta and 15 in Bombay.
‡ Including 12 deaths from malarial fever.

TABLE 9 .- METEUROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, October 5th, 1889. Under the Superintendence of the Astronomer Royal,

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average. The disconnecers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the symbols employed are :-P. positive; N. negative; w. weak; m. moderate; s. strong; and The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggresate duration of bright sunshine on each day. The results of all the mercorological observations are to be understood as applying to the converted into mean daily values by the application of corrections deduced from a discussion during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air rom the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygroof the photographic records made during the twenty years ending 1873 for the barometer, and (column 8). The mean daily dew point temperature and degree of humidity are deduced The record of Electricity is derived from Thomson's self-registering Electrometer. in a Gauge whose 06.0 26 of the air from a discussion of the anemometric records for the 16 years ending 1875. of of 16 Years. Wiles. +169 54 09 13 37 Sum +184 + Robinson's. Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. Horizontal on each Sum 1930 264 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. .sql Pressure on the 1bs. 0.0 0.0 22 PSt. civil day, or from midnight to midnight, SW. & SSW. SSW. &SW. SSW. N. & SSW. N. & NNW V. S. & SSE. General Direction. 20 SW. 23 ż ENE. N. & NNW. NNW. &N. NW. W. SW. & S. S. \* 85W. NNN. 19 A.M. 82 S IV Of the Water of the Thames at Deptford. est. 18 High. 17 0.0 0.04 35.5 Of Radiation. 16 Variable in morning; cloudy till evening; fine and merally cloudless at night. Heavy rain about Fine but cloudy till afternoon; overcast afterwards. Slight occasional rain. afternoon; fine Generally overcast with occasional rain till evening; fine at night. High-est in Sun's Rays. 89.5 13.5 0.86 2.46 7.86 12 Occasional showers in afternoon. noon; 87 14 GENERAL REMARKS. rain till Difference between the Air Temperature and Dew Point till 13 frequent rain ti cloudy 12.6 20 9.3 est. 12 Mean daily value, partially 8.0 1.2 11 Overcast with find generally cloud Of the Dew Point. Mean daily 0.9 46.3 9.9 10 Fine and afterwards. parture from 6.5 6.5 7.9 6 į 1 1 48.7 78.8 9.4 46.7 40.2 Registered Sun above Sunshine, Horizon, in hours. in hours. 6.8 00 8.11 9.11 11.4 Of the Air. 6.71 18.4 4 6. I 9.1 8.0 1.1 46.0 40.3 48.8 80 53.6 57.3 56.3 2.99 28.4 was not in action throughout the week. (For explanation of ELECTRICITY. in. 29.629 29.725 29.736 29.561 29.524 580 First Qr. Grentest of the Dec. S. 00 29 SEPTEMBER MONTH AND 1889 No. of Col. SEPTEMBER DATE. OCTOBER. WEDNESDAY Тнова. MEANS PUBBUAT luks. MAGNITION WED. SUN. SUNDAT

### OFFICIAL COPY.

# WEEKLY RETURN

#### DEATHS IN LONDON BIRTHS AND

# TWENTY-SEVEN OTHER GREAT TOWNS.

# By Authority of the Registrar General.

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WEEK ENDING SATURDAY, OCTOBER 12.

Price 1 d.

## General Register Office, Somerset House, 14th October, 1889.

### TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.5 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	1	Weeks	ending				, .	Weeks	ending	3
Towns.	Sept.	Sept. 28.	Oct. 5.	Oct. 12.	Towns.		Sept.	Sept. 28.	Oct. 5.	Oct. 12.
Birkenhead	15.3	17.3	16.3	17.8	Liverpool -				19.2	
Birmingham	14.7				London -	-			16.6	
Blackburn -	18.5	28.0	19.8	20.7	Manchester	-			25.8	
Bolton -	20.9	21.4	17.7	17.3	Newcastle-on-Tyn	e*	26.9	27.2	25.3	25.6
Bradford* -	17.5	15.3	18.2	16.4	Norwich -				23.2	
Brighton -	12.4	17.1	18.9	16.3	Nottingham				14.9	
Bristol -	15.5	18.4	15.9	12.3	Oldham -	-			15.8	
Cardiff* -	20.4	19.0	11.1	9.3	Plymouth -	-			19.3	
Derby -	12.7				Portsmouth	-			17.4	
Halifax -	14.2					-		-	19.5	
Huddersfield	18.5	_		16.9	Salford* -	-			19.4	
Hull	20.6			20.6		-			19.5	
Leeds -	20.4	18.5	18.1	24.8	Sunderland	-			25.7	
Leicester* -	12.8	15.9	10.7	14.9	Wolverhampton	-	19.0	25.9	24.0	15.2

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.0 in Preston and 2.3 in Sunderland; from scarlet fever, 1.1 in Salford, 1.3 in Leeds, and 6.7 in Plymouth; from whooping-cough, 1.5 in Oldham; from "fever," 1.0 in Birkenhead; and from diarrhæa, 2.0 in Preston, 2.3 in Newcastle-upon-Tyne, and 3.2 in Wolverhampton. The 55 deaths from diphtheria in the twenty-eight towns included 35 in London, 4 in Manchester, 3 in Salford, 3 in Liverpool, and 2 in Sheffield. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2595 births and 1321 deaths were registered. Allowing for increase of population, the births were 140, and the deaths 215, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had increased in the five preceding weeks from 14.0 to 16.6, declined again last week to 15.8. During last quarter the mean death-rate was 16.5 per 1000, and was 2.5 below the mean rate in the corresponding periods of the ten years 1879-88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

The 1321 deaths included 13 from measles, 15 from scarlet fever, 35 from diphtheria, 14 from whooping-cough, 1 from typhus, 16 from enteric fever, 28 from diarrhea and dysentery, and not one from small-pox, ill-defined forms of continued fever, or cholera; thus, 122 deaths were referred to these diseases, being 85 below

the corrected average weekly number.

No death from small-pox was registered, the corrected average being 5. The fatal cases of measles, which had numbered 3, 7, and 9 in the three preceding weeks, further rose last week to 13, but were 16 below the corrected average. The fatal cases of scarlet fever, which had been 25, 22, and 20 in the three previous weeks, further declined last week to 15, and were 38 below the corrected average; 2 belonged to Paneras, 2 to Mile End Old Town, 2 to Lambeth, and 2 to Camberwell sanitary area. The Metropolitan Asylum and London Fever Hospitals contained 1342 scarlet fever patients on Saturday last, against numbers increasing in the preceding fifteen weeks from 559 to 1299; 177 cases were admitted to these hospitals during the week, against 166 and 149 in the two previous weeks. The deaths from diphtheria, which had been 44 and 45 in the two preceding weeks, declined last week to 35, but exceeded the corrected average by 14; 2 belonged to Kensington, 5 to Islington, 2 to Hackney, 3 to Bethnal Green, 3 to Whitechapel, 3 (including 2 in Diggon Street) to Mile End Old Town, 2 to Bermondsey, 2 to Wandsworth, and 3 to Camberwell sanitary areas. Eleven of the 35 deaths from diphtheria occurred in hospital, and on Saturday last 116 cases of this disease were under treatment in the Metropolitan Asylum Hospitals, 18 having been admitted during the week against 24, 23, and 32 in the three previous weeks. The 14 fatal cases of whooping-cough corresponded with the number in the previous week, and were 10 below the corrected average; 6 occurred in the East group of registration districts. The deaths attributed to diarrhaa and dysentery, which had been 80 and 52 in the two preceding weeks, further declined last week to 28, and were 20 below the corrected average; 18 were of infants aged under one year, and 5 of children aged between one and five years.

The deaths from enteric fever, which had been 19 in each of the two preceding weeks, declined last week to 16, and were 7 below the corrected average; 2 belonged to Fulham, 3 to Marylebone, and 3 to Islington sanitary areas. The death of a child, aged 8 years, in Wandsworth was attributed to typhus. The Metropolitan Asylum Hospitals contained 87 cases of enteric fever, and one of typhus, on Saturday last; 13 cases of enteric fever were admitted during the

week, against 13 and 11 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 142, 189, and 225 in the three preceding weeks, further rose last week to 264, but were

28 below the corrected average.

Different forms of violence caused 50 deaths, concerning all but one of which inquests were held. Of these 50 deaths, 4 were cases of suicide, and 1 of manslaughter, while the remaining 45 were attributed to accident or negligence. Eight of these were caused by vehicles in the streets, 4 by burns or scalds, 5 by drowning, and 9 of infants aged under one year by suffocation.

GREATER LONDON.

In Greater London 3435 births and 1644 deaths were registered, corresponding to annual rates of 31.8 and 15.2 per 1000 of the estimated population. In the Outer Ring 9 deaths from diarrhea, 7 from scarlet fever, 7 from diphtheria, and 6 from measles were registered. Two fatal cases of scarlet fever occurred in Walthamstow, 2 of dipththeria in Hillingdon, and 2 of measles in West Ham and in Walthamstow registration sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.52 ins.; the highest reading was 29.71 ins. on Sunday morning, and the lowest 29.02 ins. on Tuesday evening. The mean temperature of the air was 49.8, and 2.5 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on each day of the week, the coldest day being Friday. The general direction of the wind 3.3 miles above the average in the corresponding weeks of 16 years. Rain fell on four days of the week, to the aggregate amount of 0.57 of an inch. The duration of registered bright sunshine in the week was 31.1 hours, against 21.1 hours at Glynde Place, Lewes.

													_	_	_	_	-				_	_										
		CITIES	BOROUGHS.		Cols.	- 28 Towns.	London. Beighton.	FORTSMOUTH.	PLYMOUTH.	BRISTOL. WOLVERHAMPTON.	Brewinghan	LEICESTER.	NOTTINGHAM.	DEEBY.	BIRKENHEAD.	BOLTON.		SALFORD.	OLDHAM.	BLACKBURN.	FRESTON.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	NEWCASTIR.	CARDIER.	Oart	EDINBURGH.	GLASGOW. DUBLIN.	
	ALL.	-	Centi-	nI m	24.	2.27	1.45	1 1	3.17	1.40	H 1	1 1	1.32	1	1 7	01.0		1 1	1		1	1	3.89	1	3	2.41		2 40		2.11	3.63	
	KAINFALL		nopes.	[ u]	23.	1.01	0.57	1 1	1.25	0.55	T	8 1	0.25	1	1 0	#Z.T			1	1	1	3	50	3 1	1	0.02	1 6	86.0	1	0.83	1.43	
AIR.	Ī	·	.sbargi	Gent:	22.		9.83	1	1 88.6	90.6	71.7	1 1	82.4	1	1 1	27.2	ı	1 1	1	ı	1	, ,	7.67	1	ı	2.18	1	8.20	-	8.39	9.11	
P THE		Mean	enpeit.	Yahr	21.	47.5	49.8	1	4.67		D. 44	; 1	0.97	ı	ı	2.25	1	1 1	-	1	1	1 1	0.4	0 1	1	0.97	ı	47.3	ı	47.1	48.4	
TUBE	=	.Ja	LOWe	leit.	20.	1.4	40.0	1	- 4.68		%T.	1 1	33.5	ı	3	9% 00 00	1	1 1	1	1	1	1 1	7 0 20	# I	1	32.0	1	38.0	1	34.1	8.98	
TEMPERATURE OF THE AIR	-	.380	High	Fahrenheit	19.	1.4	61.4 4	1	58.0		2.99	1 1	56.8	1		26.0	1	1 1			ı	1 1	0000		1	0.49	1	0.99	1	9.69		
ate T	ling -	athe	ni asea .SI-3 .	Dise	18.	1.9 6.1	1.5 6	7.0	2 . O. S.	6.0		7 7.		1.1	_	_	2.7	5.6	6.0	20.00	4.0	0.0	_	1.7	6.7	_	4.3		0.0		2 63 5	
Annual Rate	corresponding	sek'sDe	.asau.	BO TH	17. 1	35	15.8		0.91			16.2	14.3	13.8	8.41	19.3	17.3	24.5	16.6	2.03	0.87	16.9	6.13	16.4	0 00	9.03	9.12	9.22	0.8	10.01	21.6	7 07
-		1182	G to as	sus()	16.	63 17	1 1 2 1		1 2			T 1	1	1 1	1		67 	41 0	1 4	1 67				23 1			1	67	ī		91	
	-		Public Public toitution		15.		314	00 0	39 1G	10	1	04 C	9	70	70	37	1	335	77	1 10	00	တ	N (	20 0	14	9	00	7	-	9 -	30	48
	-		asU tasi i adtasi	1	14.	208		8 1	61 00	1	ı	16	o 14	00	-	6	00	17	N r	- cc	1	-	ı	eo e	07	24.0	20	4	4	0	. 0.	27
90		1	•aoue	Viole	13.	114	00	-		-	1 .	10	N I	7	-	6	-	6 1	٦ ١	1 6	1	н	1	03 -	<b>4</b> 0	2 4	63		တ	-	10 0	22
obulani daa Waata ah			•860 dT	Taid	12.	116	28	-	co	64	ದ	£	49 67	1 07		H	-	67	L- F	٦ ٥	4	ı	p=4	1 0	000	4 2	4	1	1		n 00	14
W.o.	20 10 10 10 10 10 10 10 10 10 10 10 10 10	1	.1	Fere	11.	43	17	1	1 1	1	1	-	1 -	1	67	67	67	10		- l	-	ı	1	Η,	ه د	9 -	1 1	3	1	-	1 4	-
	מ זוו מ	from	-gniqq	кор М	10.	41	14	1	1 1	-	1	47	1 1	. 1	1	10	-	4	1 -	4	-	1	1	64	00 F	- 1	1	_			1 6	1
	egister	Deaths from	theria.	Diph	6	55	335	1			1	1	3	-		00	1	4	00	_	1 1	1	1		-	77	-	- +		_	9 9	1
П	ATHEL		te. Ter.	Searl Fer	œ	65	15	1	1 5	3 1	1	9	1 -	- 1	1	9	-	62	70 1	- 0	1 1	1	1			2	1 1	-		-	f 03	3
	he DE		.aal	Mess	7.	32	13	- I	1	1 1	1		1 7	- 1		6.7	~	<b>c</b> 2	_	1	1 %	1			1	1 1	- 4	-		-	- 00	6.1
	-		.xoq-	llam2	6.	1	1	1 1	1	1 1	-	1	1	1	-		1	1	-		-		-	_	-	-				=	1 1	1
, Baran,		eaths of	bage ar ears eards.	Persor 80 X and up	0.0	694	325	15	00	00 10	9	91	10	72	1 15	- 83	9	32	11	4	10	-1-	10		_		_	61			3 23	34
LHO,		Deat	nnder 10 12 50.		4	879	321	7 9	H	10	10	39	18	22	90 6	13	5 4	14	26	17	10	23	H	13			50		_		12 45	83
HIG -	uring	nding	1888	DEATES.	85	3201	1321	38	23	49	24	141	43	65	26	35	#27 7	176	72	45	48	30	34	74	170	115	85	17.	20		82 219	157
TABLE 1DIKTH	Registered during	the Week ending	12th Oct., 1888.	BIRTES. D	63	5642	2595	56	62	47	55	242	93	130	92	004	69	942	143	12	80	4.2	44	87	233	195	118	103	22.0		127	138
	Reg		- 1	BIR	-			10		18 1	17	×	2 83	12	67	T 8	70	2 6	88	02	75	25 25	080	920	649	122	11/	969	712	-	00	88
		DITATIO	to the middle of the Year	1889.	-	0 6 6 6 7 0 6	4.351.738	121,807	141,253	78,225	82.544	AKA 88K	150,520	237,812	98,529	102,541	114 670	878.800	234,283	142,405	121,275	104,194	81,080	235,056	857,449	327,227	208,017	100,000	112,712	ı	266,900	353,082
		Pol	# E3			_!_	1 6	•			NO NO	0	•	•	1	8				•	0		8	٠	٠			0		-		•
			CITIES AND AND BORUIGHS.		alon		SK TOWNS TOWNS	BRIGHTON .	PORTEMOUTH .	PLYMOUTH .	RRISTOL	M. A. T. Course of	LEICESTER *	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL .	DOLLON "	SALFORD* .	OLDHAM .	BLACKBURN .	HUDDERSFIELD	HALIFAX .	BRADFORD	LEEDS	SHEFFIELD .	HOLL .	NUMBERIAND	CARDIFF		EDINBURGH .	DUBLIN .
					1	1	-	4 14	م منم	4 144	-	-	1						-	-	-	-	-	-	-			-		-		-

Table 2. LONDON.—Births and Deaths Registered in the Forty-first Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females .	2675	2606	2550	2477	2504	2282	2582	2456	2358	2588	2734·7	2595
	1380	1318	1356	1256	1280	1168	1319	1237	1192	1330	1399·8	1368
	1295	1288	1194	1221	1224	1114	1263	1219	1166	1258	1334·9	1227
Total Deaths  Males Females: .	1366	1405	1460	1563	1438	1344	1346	1274	1351	1536	1535·7	1321
	729	742	741	791	758	664	667	675	653	768	783·8	679
	637	663	719	772	680	680	679	599	698	768	751·9	642

The numbers in this column are the average weekly numbers in the forty-first weeks of the ten years 1879-88, raised by 9°046 per cent, for increase of population.

TABLE 3. LONDON.-BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

			1		- and		OHOL	OGY II	i the	Last	LHIR	TEEN	WEE	KS.
		July 20.	July 27.	Aug.	Aug.	Aug.	Aug.	Aug. 31.	Sept.	Sept.	Sept.	Sept. 28.	Oct.	Oct. 12.
TOTAL	Births	2627	2376	2481	2180	2715	2358	2425	2373	2432	2344	2504	2364	2595
TOTAL	Deaths	1556	1553	1532	1366	1382	1240	1263	1170	1236	1267	1361	1381	1321
Ages at Death	0—20 years 20—40 ,,	164 197 245	898 166 228 212 49	850 161 209 261 51	739 139 222 216 50	727 160 202 235 58	628 140 197 223 52	569 172 235 240 47	535 151 219 216 49	583 164 207 233 49	599 157 248 216 47	644 186 244 245 42	630 201 230 261 59	581 187 227 263 63
97	Under 1 year - 1—5 - 5—20	197	599 216 83	555 193 102	468 195 76	447 195 85	387 163 78	331 156 82	306 141 88	313 204 66	332 182 85	386 165 93	376 172 82	321 175 85
Deaths fi	om Small-pox		_	_	-									
33	" Measles -	29	20	25	15	18	9	12	9	10	3	7	- 9	18
99	" Scarlet fever " Diphtheria	12	6	11	16	13	16	17	18	17	25	22	20	15
92	,, Whooping-cough		19	22	28	36	37	32	30	41	44	44	45	35
29	" Typhus -	-	-	-	2	-	-	21	1	18	26	23	14	14
"	" Enteric fever . SimpleContafeve	7	8	8	6	8	11	12	21	19	11	19	19	1 16
29	,, Diarrhea and	4	1	-	1	-	-	-	1	2	1	1	2	-
	Dysentery -	974	271	199	175	158	109	78	68	68	73	80	52	28
33	" Cholera -	10	10	4	4	4	2	1	3	_	1	_	1	_
"	", all the above- mentioned Diseases		379	314	266	254	204	173	179	175	184	198	162	122
,,	,, Dis. of Respira- tory System		160	182	149	162	115	148	142	152	142	189	225	264
"	" Phthisis -	136	150	126	128	135	139	149	134	137	157	146	148	129
"	,, Dis. of Circula-	102	91	110	93	111	104	93	95	102	110	112	123	
Violent I		43	60	70	65	40						112	123	127
Inquest C		83	113	115	114	108	56 93	51 93	47 86	49	54	62	62	50
	Public Institutions	348	314	325	320	319	279	335	327	101 316	96 324	335	335	99
	TURE OF THE AIR		0	0		0	0				-			314
Mean	of Highest readings -	58.7	58.1	64.9	60.4	59.3	57.8	60.2	60.5	63.0	51.1	50.6	48.9	49.8
Mean o	of Lowest readings -	51.3	51.9	76·2 55·3	72·8 52·0	69·7 52·5	51.1	73.0	69.1	74.6	62.2	58.9	56.7	58.4
	O					02 5	21.1	48.5	55.2	53.8	41.6	42.9	43.8	42.6
	of the Air	80	82	76	80	82	80	74	88	76	74	80	89	82
Rain-fall		0.43	0.90	0.50	0.46	0.19	0.98	0.00	0.54	0.00	0.25	0.85	0.90	0.57
Registere	d Sunshine (in hours)	28.1	26.2	36.2	46.0	26.8	26.2	53.9	22.6	43.4	40.2	17.4	10.0	31.1
								-					-	

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.B.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverham; J. Hartnup, Esq., F.A.S., Liverpool; H.O. Pilkington, Esq., and B. A. Whitelegge, Esq., M.D., Notting-F.G.S., F.R.Met.Sco., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq. Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FORTY-FIRST Week of the Year 1389.

				F	OR?	ry-F	IRS	T	Wee	k of the Year 1389.									
	the		In	the	Wee 12th	k en	ding	1889			the	8	I	n the	Web	ek en	ndine	983	
	for the	-		eaths	of P	Person	-				for the	-		eaths					
	Averages fishes of 1879-88.*			th	he A	ges		1 2	-		Corrected Averages 41st Weeks of the 10 1879-85.*				he A		0		_
CAUSES OF DEATH.	vers of th		E	Under		r 40.	r 60.	r 80.,	апп	CAUSES OF DEATH.	1 o: t 879-8		U	Juder 20.		r 40.	r 60.	r 80.	Bud
CAUSES OF DELICA	ed A eeks 187	GEB.	-	1		under	under	under			ed A	AGES.	-	6	-	under	under		
	¥ oct	L AG	1		.20.	and u		and u	Years		rect et W		.:	5.	30.	and v	n pus	and u	) Years unwards
: ,	Corre 41st	ALL	0-1.	.1-6.	5-2	20 a	40 and	60 a	80 m		Con	ALL	0-1.	1-5.	5-20.	20.8	40 a	99	200
ALL CAUSES	1535.7	1321	321	175	85	187	227	263	63.	1.2									
	1300				-	-	-	-	-	Diseases of Organs of Special Sense †}	2.7	1	-	-	1	-	-	-	
Small- Vaccinated -	} 4.8		-	-	-	-	-	-	-	Diseases of Circulatory (	111.6	127	4	3	8	26	31	47	8
pox Unvaccinated No Statement	) (	-	-	-		-	-	-	-	System +}		12,	-	-			-	7,	-
Measles	29·1 52·8	13 15	2	10 8	1 6	- 4	-	-	-	Croup	16:0	12 151	8 60	7 18	2 4	-	23	41	- "
Scarlet Fever	0.8	1	-	-	1	-	-	-	-	Bronchitls Pleumonia	186.6 77.0 4.6	151 72 3	60 12 1	23	2 1	13	8	11 1	5 3
Relapsing Fever ;	0.0		-	-	-	-	-	-	-	Pleurisy Other Diseases of Respi- ratory System }	27'4	26	8	6	1	1	5	4	1
Influenza Whooping-cough	23.7	14	6	8	-	-			-							-	-	-	-
Diphtheria	21.0	35	2	19	12	1	1	-	-	Dentition † Quinsy, Sore Throat † -	10·2 2 9 7·5	10	4	6	-	-	-	=	-
Simple Continued and \ Ill-defined Fever - \	1.9		-	-	-	-		-	-	Quinsy, Sore Throat † - Enteritis Peritonitis	7.7	12 9	8 -	-	6	3 2	1 8	1	-
Enterio Fever	23.4	16	-	-	3	8	5	-	-	Diseases of Liver Other Diseases of)	31.1	17 28	2 5	2	1	4 2	8	7	1 3
Cholera Diarrhœa, Dysentery -	48.8	28	18	5	-	1	1	2	1	Digestive System - 5			_		_	-			_
Remittent Fevert	0.3	-		-	-	-	-	-	-	Diseases of Lymphatic) System & of Duetless	1.5	4	_	1		_	1	2	
Hydrophobia	0.0		-	-	-	-		-	-	System & of Duetless } Glands †)									
Cowpox and Effects of \	0.3	1	1		-				-	Diseases of Urinary	97.0	40	1	1	1	13	11	13	1
Vaccination †} Venereal Affections -	9.3	16	9	3	-	2	1	1	-	System}	37.0	10	1	^	1	A.	**	10	
Erysipelas	6.8	5 .	-	-	-	-	2	3		Diseases of Generative \	712			,		2	2		
Pyemia and Septicemia † Puerperal Fever	3·5 4·8	4 5		-	1 _	3 4	1	-	-	System Accidents of Childbirth -	8.9	4	-	1 -	-	4	2 -	-	-
Other Zymotic Diseases †	1.0	1	-	-	-	-	1	-					-						-1
Thrush	8.4	1	1	-	-	-				Diseases of Locomotive System † }	7.2	6	-	-	4	2		-	-
Worms and other Para-	.0.9	1	-	1	-	-	-	-		Diseases of Integumen-	710	2					1	,	
sitical Diseases 5			-	-	-				-	tary System}	7'6	3	-	_	-	-	1	1	1
Starvation, Want of Breast-milk † -	1.8	2	2	-	-	-	-	-	-										
Alcoholism	5.8	6	-		-	2	4	-	-	VIOLENT DEATHS.§									
Di matia Fever )	740									(ACCIDENT.) Fracture and Contusion	19.4	21	-	1	4	5	5	3	3
Rheumatic Fever, Rheumatism of Heart†		8	1	1	2	3	1	1	1	Gunshot Wound Cut, Stab	0.1	1 -	-	-	1 -	-	-	-	-
Rheumatism † Gout	3.0	7 3	-	-		2 -	3	1	_	Burn and Scald	4°5 2°0	1 5	-	1	-	- 3	-	-	-
Rickets†	8.7	4	3			-	-	-	-	Drowning Suffication	10.0	11 2	9	-	1	3	1	1	-
Cancer	52.9	64	10		3	5	23	30	3	Otherwise	2.5	-	1		1				
Tabes Mesenterica - Tubercular Meningitis -	30.8	13	10		5	3				(Homicide.)									
Phthisis	177'7	129	-	3	8	63	47	8	-	Murder & Manslaughter	2.0	1	-	-	-	1	-	-	-
Scrofula, Tuberculosis -		11	5	2	2	-	-	2	-				-	-	-	-	-	-	-
Other Constitutional Diseases †}	11'4	7	1	-	, 1	-	8	2	-	(Suicide.) Gunshot Wound	0.4	1		-		1	_	_	-
Premature Birth	38.1	37	37							Gunshot Wound Cut, Stab	2.3	18	-	-	-	-	1	-	
Atelectasis †	0.0	37	3		-	-	_	-	-	Drowning Hanging	0'3	1	=	-	-	1	1	-	
Congenital Malforma-	7.1	- 5	ő	-	-	-	-	-		Otherwise	0.2	ī	E	-	-	-	-	1	-
Old Age	45.9	51	-	-	-	-	-	27	7 21										
Apoplexy	48°2	45				8	14	25	5 3	(EXECUTION.) Hanging	0.3	-	-	-	-		_	-	
Epilepsy	1 0.0	6		1	-	1		1	1	Hauging			-	-	-				-
Convulsions	45.1	38		4	-	-		1		OTHER CAUSES †	62.9	55	47	6	-	1	1	-	-
Other Diseases of Brain and Nervous System	} 79.9	59	8	3 10	2	2	9	24	4 4						}				
-		-							-				-	-	_	_	_	-	_

<sup>\*</sup> The numbers in this column are the average weekly obeaths for the run years 1879-88, raised by "0.48 pec cent. for increase of population." A the ten years average

If the evidence at inquests is often insufficient to enable, the Coroner to certify whether a violent death be the result of accident, murde nanelaughter, or suicide. All such cases are classed under "accident or negligence."

I Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the declarate the deceased has, or has not, been vaccinated, or when the cause of death is not cartified by a registered practitioner, the case is returned under the heading "no statement."

TABLE 8. LONDON.—FORGLATION; BIETHS; DEATHS from ALL CAUSES, and from Small-Pox, Measles, Scarle during the Week ending

												_	dur	ng i	he	Weel	k en	dın
			The DEATHS registered in the Week include															
	Enume-			Deat	hs of					Deat	hs fr					1	10	1
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881.	Total BIBTHS	Total DEATES.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-sough.	Typhus.	Enterie (or Typhoid) Fever.	Simple con-	Diarrhosa.	Violense.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LONDON	3,815,704	2595	1321	321	325	-	13	15	35	14	1	16	-	28	50	99	314	5
West Districts	669,688 905,947 282,238 692,738 1,265,148	397 586 149 498 965	226 335 91 279 390	38 77 27 81 98	73 85 15 63 89	-	2 3 1 4 3 -	4 7 -	5 12 2 6 10	4 1 - 6 8	1	6 5 1 1 3 -		2 4 4 8 10	7 7 9 13 14 -	14 24 11 25 25	69 76 32 62 75	-
St. Mary Paddington WHH G.J. &W.M. St. John Paddington H - G.J. Kensington Town Wiv - W.M. & C. Brompton H - W.W. & W.W.	69888 37330 120141 43010 7599	50 12 44 18	21 15 32 9	3 - 4 2 - 7	6 6 14 1	11 11 11	1		1 2 - 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- 8 - 1 -	11111		ī - -	1 1 - 1	68 82 1	1 1 1 1
St. Paul Hammersmith H W.M. & C Fulham Wesv - W.M. & C Chelsea South HHH - E. Chelsea North-west WHHHHH C. Chelsea North-east - C.	64340 42900 0396 24925 32807 30353 59220	48 66 22 21 31 7	23 24 14 18 10 13	7 5 4 2 1 1	4 7 4 10 8 9	11 111 11	1	111111	1	1	111111	2	-	41 111 14	1 1	2 3	2 6 5 13 - 7 4	1 1 1 1 1
Belgrave WHHH.— C. St. John Westminster HHH — C. St. Margaret Westminster H — C. St. James Westminster WHH N.R.&G.J St. Anne Soho HHHHHHHH — N.R. NORTH DISTRICTS.	85496 24679 29941 16608	33 22 4 13 5	17 9 9 8 2	3 1	3 8 -								-	1	1 -	1	5 2 1	
All Souls Marylebone HHHHH - W.M. Cavendish Square HHHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb HHHH G.J. & W.M. Christchurch Marylebone HH - W.M. St. John Marylebone H - W.M. Hampstead Wow H N.R. & W.M	26759 14391 24809 21118 83700 33633 45452	10 8 11 25 20 23	11 2 4 5 8 12 16	2 24 3	3 1 2 1 3 2 6	111111	1 1 1 1 1 1 1	2	111111	1111111	111111			1		1 - 2 2 1	6 - 1 - 3	
Regent's Fark Paneras $H$ - W.M. Tottenham-court $wHHHHN$ N.R.&W.M. Gray's Inn Lane $HHH$ - N.R. 8omers Town $H$ N.R. Camden Town $WH$ N.R. Kentish Town $W$ N.R.	89115 27729 30247 84369 17811 87487	27 15 14 13 11 54	8 14 - 9 7 37	3 1 - 3 - 6	1 2 5 9	111111	2	11111	111111	11111	111111	1		1	1	1 3	13 - - 5 10	11111
Upper Holloway WWwH - N.R. Islington South-west HH - N.R. Islington South-east - N.R. Highbury H - N.R. Stoke Newington H - N.R.	67946 100976 61895 52048 22781	56 74 29 28 15	31 46 23 17 7	17 12 4	982722	11 9 1 1 1	1 -	11111	2 1 1 -	1	-	1 -	11111	11111	1	2 6 2 -	17	1111
Stamford Hill E.L. West Hackney H - E.L. N.R. Hackney WwwwH - E.L. N.R. South Hackney E.L. CENTRAL DISTRICTS.	9277 87610 76911 39383	26 60 30	12 46 15	8 8 4	3 13 4	111		2 -	6 2	111		-	1 1 1 1	2 -	2	4	1 19 -	1111
St. George Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North N.R. St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton so.	16681 14864 13837 17508 7515 8559	6 16 2 7 1 2 -	10 1 2: 1	2 4 2 3 1 -	1 - 1	1111111	1111111	1 1 1 1 1 1 1	1111111	111111			111111	1	2 -	2	3 - 5 - 2 1	1111111
St. Geografie—Martyr HHHHHHHH N. R. St. Andrew Eastern W - N. R. Saffron Hill H - N. R. St. James Clerkenweil - N. R. Amwell Clerkenweil - N. R. Pentonville - N. R. Pentonville - N. R. Clowwell-street - N. R. Old-street H - N. R. Whiteoross-street - N. R. Whiteoross-street N. R. Holborn Union Workhouse, Mitcham, w. St. Betolph H = N. R. R. St. Betolph H = N. R. R.	18671 10706 6533 17516 19281 14773 17506 11541 18628 9217 7468	10 9 2 15 8 5 12 13 18 11 2	92154554523-	3111118	1 1 1 8 1 2 1		1		1	111111111	9 1 1 1 1 1 1 1 1 1 1 1 1 1	111111111111111111111111111111111111111			1	1112	61	1111111111
St. Botolph	11174 7193 5358 8396 13666 5652	1 2 2 3 1	15 - 1	1	1	1 1 1 1 1 1	1 1201 1 1	1 1 1/38 3 1 1	111111	113311	111311	1	111711	1 12	1 1 1 1 1 1 1	5	14	111111

Note.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely. W - Workhouse; H - Hospital; L - Lunatic Asylum; w - A Workhouse Establishment receiving inmates from other Districts than that in which it standy, see note at the toot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts: -G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Sputhwark and Vauxhall; L. Lambeth; N. R. New River; E.L., East London, and K., the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHOLA, VIOLENCE, &c., registered in each Sus-district

aturday, the 12th October, 1889.		1.11					-04	-11102	-, -	or, I	gist	cred	121	each	30	B-D1	STRY	CT
		I		The DEATHS registered in the Week include														
REGISTRATION	Enume-			Deaths of Deaths from													10	1 20
SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under l	Persons aged 60 Years & upwds	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fever.	Simple con-	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
EAST DISTRICTS.  laywell Shoreditch - N.R. & E.L.  Leonard Shoreditch $HL^{\oplus_i}$ - N.R.  outon New Town $\cdot \cdot \cdot$ - N.R.  outon Old Town N.R.  ggerston $\dot{W}H - N.R.$ & E.L.	7376 14967 29937 28036 46275	5 10 26 13 19	1 9 20 14 19	1 2 5 7 8	2833	11111	11111	- 1	11111		1 1 1 1	11111	11111	1 1 1 1	1 1 1 1 1	1 2 2 2 2	- 28 ~ 4	
ethnal Green North WHL* - E.L. ethnal Green South E.L. ethnal Green East E.L.	51157 34399 41405	43 23 80	17 10 21	6 2 5	2 4 4	1 1 1	2 -	- 1	1 1	1		1	171	- 1 -	2 -	2 1 1	7	-
oltafields E.L. & N.R. ile End New Town W - E.L. iltechapel Church H E.L. & N.R. oodman's Fields E.L. ldgate N.R. & E.L.	22585 15478 17490 9713 6102	16 21 13 4 3	9 8 25 2 1	1 2 3 1	2 7 1	1111111	1 -	11111	1 -	11111	11111	11111	1 1 1 1	1	- 1 1	1 2 1	8 14	11111
t. George's North E.L. L. John, St. George East W - E.L.	38747 8410	37 9	9 12	4 3	2 3	=	-	-		-	-	-	-		2	2 -	7	-
hadwel! HH E.L. & N.R. ateliff E.L. imehouse E.L.	10895 16107 82041	6 7 23	11 5 14	3 4 4	3 - 3	Ξ		- ī	1	111	-	-	-	2 -	1.	2	8 -	
ile End Old Town West - E.L.	37960 67653	40 37	8 22	1 4	5	-	1 -	ī	2 -	1	-	-	-	1	Ē	-4	3	-
ow / 'E.L. romley wwwH E.L. oplar WWH E.L.	87074 64859 55077	32 42 39	10 19 13	3 6 5	2 6 3	=	- :	-	111	1	-	-	-	1 1 1	î	- - 1	9 2	-
SOURE DISTRICTS.  hristchurch Southwark WH L. & S.  t. Saviour Southwark WH S. & S.  ent-road - S. & L.  corough-road WH S. & L.  ondon-road HL S. & L.  ondon-road HL S. & L.  ondon-road HL S. & L.  Peter Walworth W S. & L.  Peter Walworth W S. & L.  t. Peter Walworth W S. & L.  t. Mary Mewington L. & S.  t. Olave WH S. & L.  t. Mary Magdalen W S. & L.  t. Mary Magdalen W S. & L.  t. James Bermondsey S.  cotherbithe WH S. & K.  Aterloo-road 2nd H L. & S.  ambeth Church 1st H L. & S.  ambeth Church 2nd WW L. & S.  connington 2nd S. & L.  ennington 2nd S. & L.  ennington 2nd S. & L.  stratom see L. & S.  convood W. S.  stratom ww S.  t.  distratom ww S.  convood W. S.  convo	12683 14999 21881 16963 21318 26672 57555 57555 57695 56024 15195 16321 14876 38859 45282 38832 62887 19017 54675 55287 56380 19017 54675 55287 56380 19017 54675 55287 56380 19017 56380 19017 56380 19017 56380 19017 56380 19017 56380 19017 56380 19017 56380 19017 56380 19017 56380 19017	10 13 16 16 10 10 19 26 6 19 21 18 11 148 31 10 22 15 15 23 39 21 145 11 45 26 66 68 66 66 66 68 6	11 19 1 9	2 2 3 - 1 - 3 4 2 3 1 4 4 6 3 2 2 5 1 3 3 2 2 5 4 1 - 3 - 1 7 2 6 - 1	1 2 3 2 2 7 7 1 1 4 3 1 5 2 2 7 2 1 1 4 3 4 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	111111111111111111111111111111111111111			1		111111111111111111111111111111111111111	3 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2222381	99 11	
tham 'H K, e H K, wisham WH K, denbam H L,	24608 £048 21559 19865 26076	20 1 9 21 21	21 - 6 3 8	6 3	10	1 1 1 1			1 1 1 1			1 111		- 110	1	1	10 - 2	1111
arlton H K.  nolwich Dockyard K.  nolwich Arsenal HH K.  numstead, West H K.  numstead, East W K.	10980 17617 19(45 14009 19241	5 9 14 18	5 3 6 3 10	1 1 8 1	1 - 8	1 1111	11111		1 11111	11111	11111	1 1 1 1 1	11111			1 2	1 - 4	11111
ntropolitan Asylum Hospitals: Dartford w Winchmore Hill w Plaistow w	-	-		111	111	1 - 1	-	-	-			-	=	-				111

be following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the ve Table by wo:—

Marylebone Indirmary in Kensington Town sub-district.

Golbor Indirmary in Kensington Town sub-district.

Holbor ble 6.-LONDON .- OUTER RING. - Area; Population: Births and Deaths registered during the

	Week ending Saturday, 12th October, 1889.																			
Regis-		Area			The DEATHS registered in the Week include  Deaths of Deaths from															
tration District		Acres,	Enume-	Enume-	Enume-			Deni	hs of				Death	from						1
and	REGISTRATION	inelu- ding	Pann	HS.	DEATHS.	7.	80 ds.			1		Agh.	1	1			Public one.	Causes		
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS	EAT	under of Age.	& aged	٠		Yer.		200-2				Cases.	Pu ione	D D		
Num-		and	1881.	B	Q	ts u	ns &	-P0	168.	et F	theri	bude	2	hoes	nce.	set C	hs in	rtiffe		
bers.		Fore-				Infants	Persons Years	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough	Fever.	Diarrhoss.	Violence	Inquest	Deaths in Pul	Uncertified		
	THOM OF THE PARTY	050.004			-	-	-				-	-		-	-			-		
101	NDON - OUTER RING	370,924	950,957	840	323	77	92		6	7	7	3	3	9	12	21	49	8		
80:1	Carshalton wZ -	12228	21118	12	13	2	8		_		_	1	_	_	_		8			
2	Epsom (part of)* WwH	9971	10710	4	1	1	-	- 1	-	-	-	-	-	-	. ~ I	-	-	1		
37:1	Godstone (part of) * -	2754	1235	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
38:1	Croydon WwHHL -	20851	101241	69	31	2	10	-	-	1	-	-	-	-	-	-	9	١.		
89:1	Mitcham w † Wimbledon HHH -	11697 3220	17982	5	6	1	1			-						1	-			
2	Kingston WHH	8549	15950 36354	18 23	11	3	2		-	-			-	-	-	1	1			
8	Esher (part of) * -	6601	9221	4	2	1	-	-	-	-	-	-	-	-	1	1	-	1		
40:1	Hampton $H$ Richmond $WH$	4573 2272	13539 21302	18	5		2			-		_			1	1	2			
2	Mortlake	2941	12331	17	7		-		1 -	1		_		_		_	-			
41:1	Bromley (pt. of) * HH	15669	81142	17	7	1	8		-			-	-	-		-	-	-		
42;1	Chishrst(pt.of)* WHH	14807	15844	35	8	1	1					-				-	2	-		
3	Bexiev $H$ Dartford ( $Ww$ , pts. of)*	18437	24134	15	9	1	4		Ĩ	-				-	1 ~	1	-	-		
124: 1	Sunbury w	11055	11685	2	4		4	-				-		-	-		-			
2	Staines W	13277	12089	11	8	1	2	- 1	- 1			-		1	1	1	1	1		
125:1	Hillingdon WHH - Uxbridge	* 6029 6178	10802 5225	8	7		2			-	2	-		-	1	1	2	0		
3	Hayes wHL	14587	11523	4	6	2	2	-	-			-			1	1	8			
126: 1	Isleworth WHH -	7008	22727	23	.7	1	1	-	-	-	-	-	-	-	~	1	1.	3		
2	Twickenham H Brentford HL	2477 4345	12479 27649	9 19	9	3	3		1			1		1		1		1 2		
	Chiswick	1340	15975	18	2		1	-	-			-	-	-		_	-	4		
107 - 1	Acton wH	6088	22876	16	1	1	-	-	~	-	-	~	17.		= 1	-	-	3		
127:1	Harrow H Edgware H	13809 6994	12796 3749	9 5-	2		1	_				_		-		-	-	100		
3	Willesden	4383	27453	44	17	11	2	-	-	-	-	-		2	1	4	_			
107 . 7	Hendon W	8382	10484	19	6	2	1	-	-	-	-	-	1		1	. 1	2	-		
137:1	Bushey Watford (W, pt. of)* -	9881	6691	1			-	-	-			-	-			-		1		
128:1	South Mimms	15599	6391	7	1	_	-	-			-	_				_		1		
2 3	Barnet	5488	10092	7	2	-	-	-	-	-	-	-		-	-	-	**	1		
185:1	Finchley HL Hattield (part of) * -	4688 8806	17615	14	6	1	1	-	-	-		-	-	1		-	2	-		
129:1	Hornsey H	3039	37078	29	1	2	-		-	-	-	-			-	-	-	1		
2	Tottenham H	4642	46456	68	9 29	12	8	-	-	1 -	1	-	1	2	2	2	1	1		
3 4	Edmonton Ww ‡ - Enfield WH	7483 12653	23463 19104	26	12	2	8	-	-	-	1	-	-	-	-	-	, 4	0		
5	Waltham Abbey	11017	5968	18 9	11	3 -	1	-	-	~	-	_		-	-	1 -	2 -	P. S. C.		
6	Cheshunt	8480	7785	10	8	1	2	-	-	-	-	~	-	-	-	-	-	-		
186:1	Stratford West Ham wwwwH\$-	882 7351	38606 101058	38 101	.7	- 10	1	-	-	-	-	-	1:	-	-	-	-	1		
8	Leyton WwL	4872	32430	30	16	12 3	9 5	-	2 -	1	1	1	-	1 _	1 -	1 -	7	200		
107 - 3	Walthamstow H -	6520	28869	44	15	5	3	-	2	2	1	-	-	1	-	-	1	-		
187:1	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9669	7	2	-	1	-	-	-	-	-	-	-	-	-	-	- Park		
189:1	Romford (part of) * W	6730	3411	7	7		2	-	-		-	-		-	1	1	1	1		
3	Ilford	8493	7645	5	-	-	-	-	-	-	-	-,	. []		-	- 1	-			
0	Barking Town	4127	9203	7	8	2	-	-	]	-	-	-	-	-	-	-	-	-		

<sup>•</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:—
30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlincham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parish of Concentration of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hatdeld sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagennam in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

<sup>‡</sup> Exclusive of deaths of London residents in the Metropolitan Asylum Hospital, Winchmore Hill (see Table 5). 

§ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 12th October, 1889.

	Area			L RATE			The Da	ATH	regi	stere	d in t	he W	eek i	nelud	le	
GREATER	Acres,	Estimated		O living.	DEATHS from	Deat	hs of			1	Death	s fro	m			Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhea.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	ъ.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
REATER LONDON	448,334	5,642,015	15.2	1.4	1644	398	417	-	19	22	42	17	20	37	62	363
INNER LONDON - OUTER RING -	77,410 870,924	4,351,738 1,290,277	15·8 13·1	1.2 1.4	1321 323	321 77	325 92	1 1	13 6	15 7	35 7	14	17	28	50 12	314 49

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal a 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,681,747 Persons.

7	POPULATION				Annual	Di	EATHS		PRIN DISEAS	ES.	ZYMO	
CITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS. of Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœal Diseases.
						11 02	1	1			1	
'ALCUTTA	433,219	August 24	-	243	29.2	-	-	-	2		85	25†
OMBAY	773,196	September 10	228	486	27.8	2	3	2	5	?	152	41†
[ADRAS	398,777	August 23	353	326	42.4	-	13	.5	8	P	83	67
ARIS	2,260.945 {	September 28 October 5	1206 1191	948 1012	21.8 23.3	4	8	4	25*	8	18	95
th 8 Faubourgs.)	471,606	b 2	272	134	14.8	3	16	_	27*	14	31	78 27
MSTERDAM -	403,083	,, 5	269	146	19.0	-	3	1	4	1	1	-
OTTERDAM .	197,723	,, 5	144	61	.17:3	-	-	-		-	-	-
HR HAGUR -	153,440	,, 5	111	46	15.2		-	-	-	2	-	-
OPENHAGEN -	307,000	,, 5	204	100	17.0	_	_	1	. 9	5	2	7
TOCKHOLM -	228,218	September 28	155	80	18.2	_	-	1	4*	1	1	11
HEISTIANIA -	138,300	October 5	74	38	14.3	-	_	1	7	1	_	1
r. Petersburg	842,883	September 21	-	413	25.6	-	17	7	2	3	12	63
BRLIN	1,489,672	,, 21	862	501	17.4		-	6	30	7	5	65
[AMBURG(State)]	575,276	,, 28	447	249	22*6	-		- '	7*	4	8	34
RESDEN	264,196	,, 28	173	92	18*1	2	-	1	7*	2	-	11
RESLAU	315,000	October 5	278	134	22.2	-	-	5	3*	2	-	5
(UNICH	281,000	September 28	221	137	25.0		-	-	7*		-	28
IBBNA	811,434	,, 28	498	311	19.9	-	8	1	1	2	1	25
RAGUE	304,356	,, 28		137	23.2	1		4	8	-	5	.5
UDA-PESTH -	452,907	,, 28	367	209	24.0	-	-	3	7	3	7	30
RIESTN	158,084	., 28	-	86	28.3	-		1	-	1	2	13
OMB	407,936	August 10	249 250	169 174	21.6 22.2	1	2	~	2 3	-2	13‡ 17‡	30
'URIN (11 days)-	306,398	" 31	278	217	23.2	î	6	1	3	3	3	46
ENICE	154,369	September 21	64	79	26.7	7	1	-	4	- 1	-	13
AIRO	374,838	,, 19	414	318	44.3	1		-	2*	-	19	118
LEXANDRIA -	231,396	,, 19	176	213	48.0		-		2*	3	17	64
IRW YORK -	1,571.300	,, 21	-	683	22.7	_	-	3	10	8	18	99
ROOKLYN .	834,607	,, 21	-	325	20.3	-	-	-	17	2	5	28
HILADELPHIA -	1,040,245	,, 21		377	18.9		1	5	9	-	2.)	16
ALTIMORE -	500,343	,, 21	-	156	16.3	-	-		-	-	5	14
		* Including de	43									

Including deaths from croup.
 Including 5 deaths from cholera in Calcutta and 7 in Bombay.
 Including 8 and 14 deaths respectively from malarial fever.

Table 9 .- METEOROLOGICAL OBSERVATIONS taken at the Royal Observatory, Greenwich, during the Week ending Saturday, October 12th, 1889.

										1	Mete	rolo	gic	al Ob	servat	ions.		1	•			
		Ozone.			4.0	0.4	5.5	8.8	0.0	0.0	0.0	3.6	27	a; no	r, are ission r, and	mum e air luced	aphic	" and	and the	The ; and	show to the	71 in.
Rain	collected	Gauge whose receiving	surface is 5 inches above the Ground.	in.	10.0	0.15	0.18	00.0	00.0	0.56	00.0	Sum 0.57	26	vel of the sea; no The means of the	a discurometer rometer nean reg	e of the air are deduced her's Human	photogr al move	375. higher,	o feet leptiond	strong	'ument,	ek to 29
	0		Departure from Average of 16 Years.	Miles.	+	+493	+133	+114	- 43	-113	1 58	Sum + 559	25	n level of	ulb ther ced from or the ba rrected r	ings of the property of the control	of the horizont	icates "	h of tw ket at D struction	g Electre erute; s.	Sunshine Instrument, shown nderstood as applying to the	of the we
		Robinson's.	Horizontal to Movement to of the Air on each Day.	Miles.	-	736	876	358	202	133	190	Sum 2272	24	the mean	the wet b ions dedu ing 1873 f	the read ten cree of homefers	discussion d that of	16 years hat + inc	at a dept attle Mar under in	registerin	es Sunsh underst	the 7th;
ometers	-	0	Mean Moorly o	lbs.		3.7	9.0	₹.0	0.0	0.0	0.0	:	23	t above sea leve P.M.; a	r, and correct irs end irs. W	nean or ly valued degree the the degree the degree the degree the degree the the the the the the the the the t	rom a. 868, an	for the	pended eign Carket,	s self-	ll-Stoke	t'the b
n Anem		Pressure on the Square Foot.	Least. h	lbs.		7.0	0.0	0.0	0.0	0.0	0.0	:	22	159 fee ace to a 1; 3h.	iomete ion of ity yea	ected r in dai uture a	ived f	ne in i	re sus he For	omson	ampbe n day.	61 in. a
ced from		Pressu	Great.		1.8	18.0	2.2	2.2	0.1	0.0	7.0	:	21	ster is to redu	therm pplication to twen	te mes	nat der	stric re be bor	ames a	om Th	the Con eacl	om 29 r
Wind as deduced from Anemometers.		Usier's.	P.M.	-	SW. & SSW.	WSW. & 1	SW. &SSW.	SSW.	SSW. &S.	WSW.	WSW. & SW.	7	20	of the barom the readings ken at 9h. A.M	the dry bulb lues by the apparent of 1868 for the	s combined the corrected mean of the readulgs of the m. s, forming the mean daily value of temperature of dew point temperature and degree of humidity are of the dry and wer full, thermometers by Glassbar's	t the air is thuring the 20 y	the anemomend 25 it will	ater of the Thames are suspended at a depth of two feet be of the jetties of the Fereign Cartle Market at Deptford, I by the Clerk of the Market, under instructions from	is derived fr positive; N.	derived from ght sunshine eorological ob	midnight, er increased freased fresed to 29.16
al.]		General Direction.	A.M.		SW.	SSW. &		SW.	S. & SW.	NE. & Calm.	SW.	SW.	19	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 91, A.M.; noon; 31, P.M.; and 91, P.M. The means of the	eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into men adjay values by the application of corrections deduced from a discussion of the photographic records made during the twenty years enting 1873 for the barometer, and during the twenty years enting 1873 for the barometer, and during the twenty years enting 1868 for the thermometers. With the corrected mean reading	The dry bulb thermometer is combined the objected in the facility of the maximum and minimum thermometer; forming the mean daily value of temperature of the air minimum thermometers, forming the mean daily value of temperature of the air forming the mean daily day not temperature and degree of bunding are deduced from the mean daily availes of the dry and work bulb thermometers by Glaicher's Hermometer was the mean daily change that and work bulb thermometers by Glaicher's Hermometer.	metrical Tables.  The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years enting 1868, and that of horizonial movement.	the ar from a discussion of the anemometric records for the 16 years ending 1875. In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," lower," than the average.	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jettles of the Foreign Cattle Market at Deptord, and their readings are registered by the Clerk of the Market, under instructions from the Communical of London.	The record of Biectricity is derived from Thomson's self-registering Blectrometer. If springly employed are:—F. positive; N. negative; w. weak; m. moderate; s. strong; s. variable.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the agreement duration of bright sunshine on each day. The results of all the meteorological observations are to be understood as applying to the	(17) day, or from midnight to midnight.  (17) the reading of the furnmented from 29°GI in. at the beginning of the week to 29°77 in.  (17) the reading of the furnmented from 29°GI in. at the beginning of the week to 29°77 in.  (18) to A. A. On the 6th decreased to 29°FI in. by 90, A.A. on the Nih. 37°FI increased to 29°72 in. by 90, A.A. on the Nih. and increased to 29°FI in. by 90, E.A. on the Nih. and increased to 29°FI in.
er Roy		Water hames	Low-	0	. :	:	:	:	:	:	:	:	18	ght of has b	ngs of timto	mum (8). Thean	rage tage	from a	ze, at t	cord o	mbers gate d	or fro
the Astronomer		Of the Water of the Thames at Deptford.	High-	0	:	:	:	:	:	:	:	:	17	he hei rection bserva	readin verted he pho	or the dry but and minimus (column 8).	metrical Tables. The average trecords made at	he air n read	The the surfacility rea	The reco	The nu uggre	il day, The rea 10h. A
he Ast		Of Radiation.	Lowest on the Grass.	0	32.0	39.0	35.6	36.0	33.1	33.0	32.3	6.48	16	cor	1	-	H 5.	of I		8,	=======================================	ci, by
toe of t			High- est in Sun's Rays.	0	83.1	0.86	112.2	0.711	2.611	73.7	6.801	101.0	15		occasional	variabl	ll night;		of light	ing.	ing day	
tenden		Degree of Hu- midity (Satu-	equals 100).		SS	72	22	80	8.0	88	81	37	14	.s.	with o	ds, with	rain, till		amounts of night.	n morn	light cloud during day;	
uperin	ween	int re.	Least,	0	0.0	1.5	0.0	0.2	0.0	0.0	0.0	7.0	13	MARI		fterwar			iable a	t rain i	light cl	
[Under the Superintendence of the Astronomer Boyal.] TEMPERATURE.	Difference between	Temperature.	Great- est.	0	7.5	14.3	15.0	13.1	16.5	3.4	13.3	8.11	12	GENERAL REMARKS.	morning; overcast	morning; fine afterwards, with variable oud. A gale of whid.	overcas	Ď2	ith var	frequen	Jo.	
Under			Mean daily value.	0	3.5	8.0	8.9	0.9	2.8	0.5	₽.9	2.5	11	NER		orning	noon;	y cloud	oing w	rally;	Small amounts	
		Of the Dew Point.	Mean daily value.	0	48.2	43.1	43.3	43.7	43.7	47.1	43.5	44.6	10	· GF	Fine in early ain afterwards.	ry in n of clou	Very fine till noon; overcast with uen line.	Fine; partially cloudy.	till evening with variable overeast with slight rain at	Overcast generally; frequent rain in morning,	Small at nig	
. 210	TATE:		De- parture from verage of 0 years.	0	- 1.3	4.0 -	7.7	9.7 -	- 2.6	9.4 -	- 8.1	- 2.2	6		Fine i	Showery in morr amounts of cloud.	Very f	Fine;	Fine t	Overce	Fine. Small am	
ттировида	TWATE	Air.	Mean daily value.	,	21.12	25.0	1.09	49.7	40.2	47.8	48.6	49.8	00	n above brizon, hours.	11.2	11.5	11.1	0.11	0.11	6.01	6.01	Sum 777.3
TEMD	Transfer	Of the Air.	Daily Range.	0	13.7	12.7	16.3	15.5	20.6	12.5	19.4	15.8	7	Registered Sun above Sunshine, Horizon, in hours.								
П			Low-est.	0	44.4	0.95	42.1	42.7	8.05	2.14	40.0	42.6	9	Registe Sunshi in hou	0.0	6.5	4.6	0.2	7.1	0.0	6.49	Sum 81.1
			High-	0	58.1	28.1	0.60	58.5	61.4	53.7	59.4	58.4	10	r of te.)				tion (				
BARO-	METER.		rected and re- duced to 320 Fahren- heit).	- i	29.685	29.531	29.257	29.084	29.506	29.313	29.471	29.321	4	(For explanation of symbols, see Note.)				The electrometer was not in action throughout the week.				
		Phases	Moon.		:	:	F.mator	Full.	:	•	:	:	000	(For eymb				The was				
		9.	AND.	ER.	9 .		00	6	. 10	. 11	- 12		lol.	53	9	t	∞ .	6	. 10		. 12	
		1889.	Моити аид Day.	Остовкв.	SUN.	Mon.	TUES.	WED.	THURS.	FBI.	SAT.	MEANS	No. of Col.	DATE. October.	SUNDAY	Monday	TURBDAY	WEDNESDAY	TRUBEDAY	FRIDAY	SATURDAY	

## OFFICIAL COPY.

# WEEKLY RETURN

#### DEATHS IN LONDON BIRTHS AND

# TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

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WEEK ENDING SATURDAY, OCTOBER 19. No. 42. 1889. Vol. L.] Price 11d.

> General Register Office, Somerset House, 21st October, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 18.7 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending	5 .			1	Weeks	ending	3
Towns.	Sept. 28.	Oct. 5.	Oct. 12.	Oct. 19.	Towns.	•	Sept. 28.	Oct.	Oct. 12.	Oct. 19.
Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull -	15·8 28·0 21·4 15·3 17·1 18·4 19·0 16·9 20·6	13·2 19·8 17·7 18·2 18·9 11·1 10·1 20·6 15·7 20·8	16·2 20·7 17·3 16·4 16·3 12·3 9·3 13·8 21·9 16·9 20·6	22·4 19·1 20·6 14·6 20·7 14·8 13·2 22·5 22·5 25·1		ne*	16·3 24·5 27·2 14·9 12·5 14·7 32·7 19·6 31·0 17·1 19·5	19·2 16·6 25·8 25·3 23·2 14·9 15·8 19·3 17·4 19·5 19·4	15.8 24.2 25.6 16.0 14.3 16.5 32.7 15.5 28.0 16.0 18.3	21·5 16·9 22·0 26·3 18·2 14·5 17·6 31·4 15·9 34·1 16·3 21·4
Leicester* -	15.9			13.2		_		24.0		

The highest annual death-rates, measured by last week's mortality, were:-from measles, 1·3 in Halifax, 2·5 in Preston, and 3·9 in Sunderland; from scarlet fever, 1·1 in Salford, 1·3 in Sheffield and in Brighton, 1·4 in Bolton, 1·7 in Blackburn, and 10·0 in Plymouth; from whooping-cough, 1·1 in Oldham and in Portsmouth, and 1·3 in Wolverhampton!; from "fever," 1·0 in Leeds and in Birkenhead, 1·3 in Bradford, and 1·5 in Portsmouth; and from diarrhæa, 1·3 in Bradford, and 1·5 in Portsmouth; and Bradford, and 1·5 in Portsmouth; and Bradford, and 1·5 in Portsmouth; and Bradford, and 1·5 in Portsmouth; and Bradford, and Bradford, and Bradford, and Bradford, and Bradford, and Bradford, and Bradford, and Bradford, and Bradford, and Bradford, and Bradford, and Bradf Leeds and 2.0 in Preston. The 57 deaths from diphtheria in the twenty-eight towns included 41 in London, 3 in Salford, 3 in Sheffield, and 2 in Derby. death from small-pox was registered in any of the twenty-eight towns.

# LONDON.

In London 2518 BIRTHS and 1410 DEATHS were registered. Allowing for increase of population, the births were 259, and the deaths 230, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 16.6 and 15.8 in the two preceding weeks, rose again last week to 16.9. During the first three weeks of the current quarter the death-rate averaged 16.4 per 1000, and was 2.2 below the mean rate in the corresponding periods of the ten years 1879-88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

The 1410 deaths included 23 from measles, 25 from scarlet fever, 41 from diphtheria, 26 from whooping-cough, 1 from typhus, 11 from enteric fever, 2 from ill-defined forms of continued fever, 22 from diarrhea and dysentery, and not one from small-pox, or cholera; thus, 151 deaths were referred to these diseases, being

59 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 4. death of a child, aged 2 years, in Plumstead, was attributed to chicken-pox. fatal cases of measles, which had increased in the four preceding weeks from 3 to 13, further rose last week to 23, but were 11 below the corrected average; 3 belonged to Fulham, 4 to Bethnal Green, 3 to Whitechapel, and 4 (including 2 in Bishop's Road) to Camberwell sanitary areas. The fatal cases of scarlet fever, which had declined in the four previous weeks from 25 to 15, rose again last week to 25, but were 29 below the corrected average; 2 belonged to Islington, 4 to Shoreditch, 5 to Mile End Old Town, 2 to Newington, and 4 to Lambeth sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1394 scarlet fever patients on Saturday last, against numbers increasing in the preceding sixteen weeks from 559 to 1343; 188 cases were admitted to these hospitals during the week, against 148 and 177 in the two previous weeks. The deaths from diphtheria, which had been 45 and 35 in the two preceding weeks, rose again last week to 41 (including 2 hospital cases admitted from New Southgate), and exceeded the corrected average by 17; 3 belonged to Kensington, 2 to Chelsea, 3 to Pancras, 2 to Islington, 4 to Hackney, 2 to Holborn, 3 to Whitechapel, 2 to St. Georgein-the-East, 3 to Stepney, 2 to Mile End Old Town, 4 to Lambeth, and 2 to Camberwell sanitary areas. Sixteen of the 41 deaths from diphtheria occurred in hospitals, and on Saturday last 107 cases of this disease were under treatment in the Metropolitan Asylum Hospitals, 22 having been admitted during the week. The 26 fatal cases of whooping-cough showed an increase upon recent weekly numbers, and exceeded the corrected average by 1. The deaths attributed to diarrhaa and dysentery, which had been 80, 52, and 28 in the three preceding weeks, further declined last week to 22, and were 18 below the corrected average.

The deaths from enteric fever, which had been 19 and 16 in the two preceding weeks, further declined last week to 11, and were 14 below the corrected average; 4 belonged to the west and 6 (including 2 Camberwell cases) to the south groups The deaths of two children, aged between one and five of sanitary areas. years, were indefinitely referred to febricula and to suppressed fever. The Metropolitan Asylum Hospitals contained 89 cases of enteric fever, and one of typhus, on Saturday last; 11 cases of enteric fever were admitted during the week,

against 12 and 13 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had increased in the four preceding weeks from 142 to 264, further rose last week to 300, but

were 50 below the corrected average.

Different forms of violence caused 57 deaths, concerning all of which inquests were held. Of these 57 deaths, 10 were cases of suicide, and 3 of murder or manslaughter, while the remaining 44 were attributed to accident or negligence. Two of these were caused by horses or vehicles in the streets, 8 by burns or scalds, 7 by drowning, 2 by poison, and 13 (including 10 of infants under one year of age) by suffocation.

GREATER LONDON.

In Greater London 3284 births and 1728 deaths were registered, corresponding to annual rates of 30.4 and 16.0 per 1000 of the estimated population. Outer Ring 9 deaths from diphtheria, 9 from whooping-cough, 7 from diarrhea, 6 from "fever," and 5 from scarlet fever, were registered. Diphtheria caused 3 deaths in Tottenham and 2 in Walthamstow sub-districts; scarlet fever 2 in Bexley, and "fever" 2 in Hendon sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.54 ins.; the highest reading was 29.79 ins. on Monday morning, and the lowest 28.98 ins. on Saturday morning. The mean temperature of the air was 49.4, and 1.8 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Tuesday and Wednesday, but was below the average on each of the other days of the week. The general direction of the wind was Southerly, and the horizontal movement of the air averaged 8.5 miles per hour, which was 2.2 below the average in the corresponding weeks of 16 years. Rain fell on two days of the week to the agreewate amount of 0.70 of an inch. The duration fell on two days of the week, to the aggregate amount of 0.70 of an inch. The duration of registered bright sunshine in the week, was 17.3 hours, against 26.7 hours at Glynde Place, Lewes.

· See note on first page of this Return.

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	CITIES	AND BOROUGHS.	Cols.	- 28 TOWNS.	Townow	BRIGHTON.	PORTSMOUTH.	NORWICH.	PLYMOUTH.	WOLVEBHAMPTON	Browneday	LEICESTER.	Nortingham.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BOLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURN.	HIDDERSTEID.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGH.	GLASGOW.	DUBLIN.
FALE.		In Centi-	24.	2.16	1.78	3.48	1	1	7.47	1.60		1	47.0	1	3	2.36	•		à		8 1		1	1.12	,	1	2.16	1.68	6.3	1	1.57	0.36	4.80
RAINFALL		In Inches.	23.	0.85	04.0	1.35	1		1.80	0.63		1 1	0.59	1		0.83	1				1	8 1	1	0.44		•	0.82	99.0	1.12	1	09.0	0.14	1.89
AIR.	'n.	Centigrade.	22.	8.39	19.0	9.39	1	ı	88.6	2.58		1 1	8.58	1	1	8.11	ı	,	1	ı	1	1 1	1	1.56	1	1	19.1	90.8	8.61	1	7.78	8.17	19.8
OF THE	Mean	·tiednerda'	21.	47.1					8.8			1 1	6.9		1	9.97	1	,	1	1		1		45.6		ı	_	20	2.4		16.0		47.6
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EMPER	.1	Fahrenheit Lowes	19.	6.						6.49	_	1 1	57.2		1	55.0 3	1	ŧ	1		8	1	1	S. 70	_	1	57.0 8		55.0 4	1	55.6		-
tate T	aths	Diseases in Cols. 6-12.	S	2.3 61	q			_	11.8 5		. F	0.1			0.1		9.8	2.2	2.2	1.0	27 0	1.7	1.0	4.0		6.8	8.8	-		7.4	8.1	-	=
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A CO	.113.8	Uncertified of De	16.	62 18	0 16	1 1	- 1	1	1 1	1 1 1 1 1 1 1 1 1 1	-	4 6	1 14	1 1	2 15	14 21	- 1	61	3 16		22	7	=	8	7	-	-	1	1 8	1	-	20 20 20 20 20 20 20 20 20 20 20 20 20 2	-
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during	Buipas		**	10070	3433	1410	\$ 4	F 55	47	16	00	149	83	99	22 2	31	42		160	0/	52	89	40	S	98	166	154	007	2 2	325		86	235
Domissond during	the Week ending	19th Oct., 1889. BIRTHS. DEATE	3		6029	2518	55	4.9	23	126	35	283	96	129	19	64	74		260	141	64	96	20	<b>7</b> 5	125	244	242	007	761	16		159	374
-	POPULATION t		-	-	9,555,406	4,351,738	121,807	141,253	94,510	198,622	82,544	454,835	150,520	237,812	68,529	102,511	114 670	112,010	878,800	284,283	121.275	104,194	92,825	81,080	235,056	857,449	527,227	184.198	160 988	112,712		266,900	528,144
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		CITIES AND BORUGHS.	1		28 TOWNS	- NOUNON	BRIGHTON .	PORTEMOUTH	NORWICH .	BRISTOL .	W. OLVERHAMPTON	RIBMINGHAM	LEICESTER .	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL .	BOLTON -	MANCHESTER	SALFORD	ULDHAM .	PRESTON .	HUDDERSFIELD	HALIFAX .	BRADFORD	LEEDS	SHEFFIELD .	HULL .	NEELAND	CARDIFF.		EDINBURGH .	GLASGOW .

Table 2. LONDON.—Births and Deaths Registered in the FORTY-SECOND Week of each of the Eleven Years, 1879-89.

.* ;	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males  Females .	2637	2362	2681	2358	2370	2812	2572	2647	2568	2459	2777·0	2518
	1335	1219	1353	1209	1217	1436	1282	1352	1304	1280	1416·2	1287
	1302	1143	1328	1149	1153	1376	1290	1295	1264	1179	1360·8	1231
Total Deaths  Males Females .	1499	1518	1586	1444	1408	1517	1458	1406	1566	1641	1640·4	1410
	778	797	842	736	722	777	742	714	809	854	847·4	721
	721	721	744	708	686	740	716	692	757	787	793·0	689

The numbers in this column are the average weekly numbers in the forty-second weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON.-BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	July 27.	Aug.	Aug. 10,	Aug. 17.	Aug. 24.	Aug.	Sept.	Sept.	Sept.	Sept. 28.	Oct. 5.	Oct. 12.	Oct. 19.
TOTAL Births	2376	2481	2180	2715	2358	2425	2373	2432	2344	2504	2364	2595	2518
TOTAL Deaths	1553	1532	1366	1382	1240	1263	1170	1236	1267	1361	1381	1321	1410
Ages at Death   0-20 years - 20-40 " - 40-60 " - 60-80 " - at 80 years & upwds,	898 166 228 212 49	850 161 209 261 51	739 139 222 216 50	727 160 202 235 58	628 140 197 223 52	569 172 235 240 47	535 151 219 216 49	583 164 207 233 49	599 157 248 216 47	644 186 244 245 42	630 201 230 261 59	581 187 227 263 63	590 209 274 272 65
\frac{\text{Under 1 year}}{1-5} = \frac{5-20}{5}	599 216 83	555 193 102	468 195 76	447 195 85	387 163 78	331 156 82	306 141 88	313 204 66	332 182 85	386 165 93	376 172 82	321 175 85	320 187 83
Deaths from Small-pox  """ """ """ """ """ """ """ """ """	20 6 44 19 8 1 271	25 11 45 22 - 8 - 199 4	15 16 28 19 2 6 1	18 13 36 17 - 8 - 158 4	9 16 37 20 - 11 - 109 2	12 17 32 21 12 - 78	9 18 30 28 1 21 1 68 3	10 17 41 18 - 19 2 68	3 25 44 26 - 11 1 73	7 22 44 23 2 19 1 80	9 20 45 14 - 19 2 52	18 15 35 14 1 16 -	28 25 41 26 1 11 2
,, ,, all the above-	379	314	266	254	204	173	179	175	184	198	162	122	151
,, ,, Dis. of Respira- tory System } ,, ,, Phthisis - ,, Dis. of Circula- tory System }	160 150 91	182 126 110	149 128 93	162 135 111	115 139 104	148 149 93	142 134 95	152 137 102	142 157 110	189 146 112	225 148 123	264 129 127	800 184 115
Violent Deaths Inquest Cases Deaths in Public Institutions	60 113 314	70 115 325	65 114 320	49 108 319	56 93 279	51 93 335	47 86 327	49 101 316	54 96 324	62 119 335	62 119 335	50 99 314	57 112 333
TEMPERATURE OF THE AIR Mean	58·1 67·7 51·9	64·9 76·2 55·3	60·4 72·8 52·0	59·3 69·7 52·5	57.8 68.1 51.1	60·2 73·0 48·5	60·5 69·1 55·2	63·0 74·6 53·8	51·1 62·2 41·6	50.6 58.9 42.9	48.9 56.7 43.8	49·8 58·4 42·6	49·4 57·8 41·6
Humidity of the Air	82	76	80	82	80	74	88	76	74	80	89	82	88
Rain-fall in inches	26.5	36.5	0.46	26.8	0.98	53.9	22.6	0.00	0.25	0.85	0.90	0.57	0.70

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield. Esq., Ll.D., Plymouth: R. C. Cann Lippineott, Esq., Bristol; F. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-F.G.S., F.R.Mot.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., Sunderland; and Wm. Lyall, Esq. Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different CAUSES in the FORTY-SECOND Week of the Year 1389.

				Fo	RT		COL	ND	We	ek of the Year 1389.				J40	13 44 13	***	CIAC		
	for the		In Satur	the	Wee 19th	k en Octo	ding ber	1889.			for the	9	atur	n the	We	ek er	ding	202	
	s for		De	aths	of P	erson	ns of							aths	of P	ersor		50.78	-
	rage f the -88.		l n	nder		.04	60°	80°	-		rage the				he A	508	0	08	-1
CAUSES OF DEATH.	ed Averages /eeks or the 10 1879-88.*	E3.		20.		under 4	under 6	under 8	b and	CAUSES OF DEATH.	Corrected Averages 42nd Weeks of the 14 1879-88.*	EB.	-,	nder 20.		under 4	under 60	To I	s.
17	435	AG			.0.	and un	and un	and un	u Years		d We	AGES	I		0.	and ur	and un	ad un	unwards
	Corre	ALL	0-1	1-5.	5-20	20 8	40 8	130 a	oc n		Cor 42r	ALL	0-1.	1-6.	5-20,	20 2	40 a	60 and	90 11
ALL CAUSES	1640 4	1410	320	187	83	209	274	<b>2</b> 72	65	Diseases of Organs of )	3.2	1		1	_		-	-	
Vaccinated; -	) (	-	-	-	_	-	-	-		Special Sense † f		-	٥		-		-	-	-
Small- pox Unvaccinated No Statement	3.9		_	-	-	-	_	-	-	Diseases of Circulatory System }	123.0	115	1	-	5	20	37	44	8
Measles	33.9	23 25	4	19	6	-	-	~	-	Croup	17.3	13	-	10	8	-	-	-	-
Searlet Fever Typhus	1.0	1	-	-		-	1	-		Bronchitis Pneumonia	203·4 89·1	194 65	69 25	32 13	1	7 2	26 8	50	7
Relapsing Fever †	0.0		-	-		-	-	-		Pleurisy - Other Diseases of Respi-	5.5 34.5	3 25	6	2		1	5	9	2
Influenza	0°1 24°5	26	15	10	1		_	_		ratory System 5				_					_
Whooping-cough Diphtheria	24.3	41	8	28	13	2	~	-	-	Dentition † Quinsy, Sore Throat † -	10.3	12	9	3	-	-	-	-	-
Simple Continued and } Ill-defined Fever -}	2.7	2	-	2	-	-	-	-		Quinsy, Sore Throat † - Enteritis Peritonitis	8.1	8 7	6	1 2	1	ĩ	1	1 2	
Enteric Fever	25'1	11		-	1	8	1	1		Diseases of Liver Other Diseases of)	32.3	32 24	1 4	1	2	5 3	15	10	1
Cholera	0'3 40'1	22	14	6	-	-	1		1	Digestive System -}	40 4	43	2			-	_	10	
Diarrhœa, Dysentery - Remittent Fevert	0.0			-	-	-				Diseases of Lymphatic)									
Hydrophobia	0.7				_	-				System & of Ductless {	1.2		li				-	-	
Glanders Cowpox and Effects of \	0'3							-		Diseases of Urinary			*******		-				-1
Vaccination † { Venereal Affections -	10.7	13	7		840		8	3		System}	49.6	88	2	1	-	4	16	16	1
Erysipelas	9.3	6	1	H	-	-	2	2	1								-		
Pyæmia and Septicæmia †	2·7 6·4	1 4	_	-	1	-	-	-	-	Diseases of Generative } System }	6.8	6 2	-	-		2	6	-	-
Puerperal Fever Other Zymotic Diseases †	0.9	3	-	1	-	3	1 -	1		Accidents of Childbirth -	2.0		-	-				-	
	2.6							-	-	Diseases of Locomotive	8.1	10	2	-	3	2	1	1	1
Worms and other Para-	0.9	-	-				-		-				-						-
sitical Diseases 5				-		_			-	Diseases of Integumen- tary System}	5.3	5	3	-	-		-	1	1
Starvation, Want of Breast-milk † }	2'4	-	-	-	_	, -	L	-	-										
Alcoholism	4.7	10	-	-	-	3	6	1	-	VIOLENT DEATHS.§									
Rhoumatic. Fever,	9.0	16	1.						_	(ACCIDENT.) Fracture and Contusion	22.8	13	-	2	2	6	1	1	1
Rheumatism of Heart f	3.3	2		-	7	6	8	-	-	Gunshot Wound	0.3	1	=	-		-	-	1	E
Rheumatism † Gout	8.8	2	-	-	-	1	1	1	-	Burn and Scald Poison	1.7	8 2	1	2 -	3	1	1	1	
Ricksts +	8.7	1	-	1	-	-	-	-	-	Drowning Sufficiention	3.5 13.5 3.5	18	10	-	-	1	ì	i	H
Tabes Mesenterica -	58.2	53 23	15	1 4	2	6	28	17	1	Otherwise	0 2				_	-	_		
Tubercular Meningitis -	24'3	26	10	11	5	1	-	-	-	(Homicide.)					-				
Phthisis	184'3	184	1	1	15	87	68	12	-	Murder & Manslaughter	0.9	8	2	-	-	100	1	-	-
Scrofula, Tuberculosis - Other Constitutional	16.2	12	3	2	1	6	-	1	-					-	-		-		
Diseases †		°	-		1	8	3	1	-	(SUICIDE.) Gunshot Wound	0:4	2	-	-	-	1	1	-	-
Premature Birth	43'3	40	40		-	-	-	-	-	Cut, Stab	0.7	3 1	-	-	-	1	3	2	-
Atelectasia + Congenital Malforma-	2.9	2	2	1	-	-	-	-	-	Drowning	1.2	-	-	-	4	-	-	-	-
tions		3	3	1	-	-	-	-	-	Otherwise	0.9			-	-	-	-	-	
Old Age	50.1	48		-	-	-	-	18	30	(EXECUTION.)			-						
Apoplexy	42°5	42	-	-	-	) -	1	19		Hanging	0.0	-	-	-	-	-	-	-	-
Epilepsy	7.9	31	27		1		1	-	-									I-ma	
Other Diseases of Brain and Nervous System	70.0	75	2				10	1	1	OTHER CAUSES +	62°2	85	30	3	-	-	-	2	-
and Morvous System	,	1	1		1		1	1	1	11			1		1			1	

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9 046 per cent. for increase of population

I As the ten years average could not be cerrectly ascertained, the average for the seven years 1832-8 has been used.

I Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registere

I The evidence at inquests is other insufficient to enable, the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE E. LONDON.—Portlation; Births; Deaths from all Causes, and from Small-pox, Measles, Scarler during the Week ending

										_			duri	ng t	ne V	eek	end	ing
							The	DEA	THS P	egist	ered i	n the	Wee	kine	lude			
	Enume-			Deat	hs of					Death	is fro	m						
REGISTRATION	rated Popu-	HB	CHF.	er 1	d 60 wds		•			ough		(or Fever	OK.				Publie ns.	Sans.
SUB-DISTRICTS.	lation, 1881.	Вгатня	DEATER	under of Age.	aged a	pox.		Fever.	eria.	ng-0		(O)	60B	S.		Cas	in J ution	Hed C
	1001	Total	Total	Infants Year o	Persons Years	Small-pox.	onsies	Bearlet	Diphtheria	hooping-cough	Typhus.	Enterie (o	Simple con-	Diarrhea	Violence	Inquest	Deaths in Pu Institutions.	Uncertified Causes of Death.
and the second of the second o		-		I	Per	82	M	80	ia	*	=	E	20.13	ia	-Vi	In	De	Un
LONDON	3,815,704	2518	1410	320	337	-	23	25	41	26	1	11	2	22	57	112	333	9
WEST DISTRICTS	669,688	368	246	51	57	-	4 5	4:	6 15	6	-	4	-	8	10	19	78	-
NORTH DISTRICTS	905,947	552 139	313 98	65 18	82 15	-	1	2	2	-	-	1	-	1	3	7	65 26	1
EAST DISTRICTS - * -	692,738	524 985	305 448	74 112	66 117	-	8 5	8	9	6	1.	5	1	4	14 21	30 34	78 86	8
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION		*	-	-	-	-	-	-	-	-	-1	-	-	-	-	-1		-
LONDON) WEST DISTRICTS.																		-
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 37330	48 12	27 15	7 3	5 4	В	-	-	-		-	1 -	-	2	1 2	2 8	5	-
Rensington Town Ww W.M. & C. Brompton H W.M. & C.	120141 43010	64 9	49 8	6	15		1 -	-	1 -	2	-	ī	-	-	-	1 -	19	-
St. Peter Hammersmith St. Paul Hammersmith Fulham Www W.M. & G.J.	7599 64340	1 52	14	1 1 12	7 5		- 3	1 3	2	- 2	-	- ī		- 2	1	2 4	2 11	-
	0396 24925	18	15	5 3	3 4	=	-	-	-	=		1	-	1	1 -	1	3 12	-
Chelsea North-west WHHHHH C. C. C.	82807 80853	28 14	19 7 8	i	2 8	-	-	-	2	-		-	-	1	1	-	5	
May Fair WW G.J.  Belgrave WHHH C.  St. John Westminster HHH - C.	59220 35496	8 20 22	24	6	3	-	-	-	1 -	1 -	-	-	-	1	2 -	8	8 -	=
St. Margaret Westminster H - C.  St. James Westminster WHH N.R. &G.J	24679 29941	8 7	13	1 1	1	П	-	-	-		-	-	-	1 -	1	1 -	7	-
St. Anne Soho HHHHHHHH - M.R.	16608	8	6	1	1		-	-		-	-	-	-	-	1	1	1	-
NORTH DISTRICTS.  All Souls Marylebone HHHH - W.M. Carandish Square HHHH - W.M.	267 <i>5</i> 9 14891	7 5	13	2	2	-	-	-	-	1	-	-	-	-	1 -	1	6	-
All Souls Maryleone IIIII W.M. Carendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb HHH G.J. & W.M. Christchurch Marylebone IIII - W.M.	24809 21118	10 29	6	2 2 2	2 2		ī	-	=	-	-	-	-	- 1	-	-	1	-
		11 11	8	8.	1 2		1	1	2	1	-	-	-	1	- 8	1	-	F
Hampstead Www H N.R. & W.M. Regent's Park Paneras H W.M.	20115	18	17 12 19	- 5	8 8		1	-	ī	- 1	-	-	-	-	1	1	8	-
Tottenham-court wHHHH N.R. & W.M. Gray's Inn Lane HHH - N.R. Somers Town H N.R. N.R.	27729 30247 84369	11 19 18	11 9	1	4		-	-	1	=	3	=	-	-	1 -	2 1	15	=
Camden Town $WH$ N.R. Kentish Town $W$ N.R.	17811 87487	11 62	8 30	5	8	-	1	-	ī	ī	-	-	-	ĩ	-	2 2	.5 4	-
Upper Holloway WWwH N.R. Islington South-west HH N.R.	67946 100976 61895	48 60 34	83 27 12	3 14 2	11 5 7	=	=	ī	1 .	ī	90 m	-	-	ī	1 -	2	8	-
Highbury H N.R.	52048 22781	82	16 9	5	7 4		-	1	-	=	1	-	-	1	1	1	ĩ	-
Stoke Newington H N.R. Stamford Hill E.L. West Hackney H N.R.	9277 87610	25	11	8	1 4		-	-	-	-	-	-	-	-	-	-	-	-
South Hackney E.L.	76911 39888	65 27	15	8 2	10 8	П	1	8 -	4	2 -	-,	12	-	-		1	17	-
CENTRAL DISTRICTS. St. George Bloomsbury - N.R.	16681	6	8	-	1		-	-	-	-		-		_	_		wa	_
St. Giles South WH N.R. St. Giles North N.R.	14864 13887	7	3	2	1	П	1	-	-	-	-	-	-	-	1	1	4	-
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	7515 8559	3	11 1 3	8 - 1	2 -		-	1 -	-	-	-	-	-	-	-	-	5	1 -
Strand Union Workhouse, Edmonton w. St. Geothe-Martyr HHHHHHH N.R.	18671	14	11	1	2	-	-	-	1	-	-	=	-	-	-		1	-
St. Andrew Eastern W - N.R. Saffron Hill H N.R.	10706 6538	7	8	1	-	-	-	-	-	-	-	=	-	-	1	1 -	5 -	=
St. James Clerkenweil N.R. Amwell Clerkenwell N.R. Pentonville N.R.	17516 19281 14778	16 11 15	3 7	1 2	1	-	=	=		-	-	-	-	- 1	1. 1. 1	.1		-
Goswell-street N.R.	17508	14	3 5	2	1 -	-	-	1	-	-	-	-		-	-		-	=
Whitecross-street N.R.	18628 9217 7468	19 4 1	6 2 3	4	1 -	-	=	-	-	-	-	-	-	-	П	-	-	-
Holborn Union Workhouse, Mitcham w.	11174	3	2	-	-	-	-	-	-	-	-	-	=	-			-	-
Cripplegate N.R. St. Sapulchre H N.R.	7198	3	3 8	1 -	2	1	-	-	ī	-	-	1	-	1 1 1	-	1	- 8	-
Bt. Bride W N.R. Allhallows Barking - N.R. Broad Street H N.R.	8396 13666 5652	1 1	1 4	-	-	-	-	-	-	-	-	-	-	-	ī	2 .	-	-
			11		1	1 1	1	1	1			1				-	-	-

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse; H-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving immates from other Districts than that in which it stands, see note at the foot of next page. The Koman capitals signify the Water Companies which supply the different sub-districts: -G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Cholsea; S. Southwark and Vaurhall; L. Lambeth; N. R. Now River; E.L., East London, and K., the Kent Company.

B, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

rday, the 19th October, 1889.										4, 10	g 1310				002	-Die	7161	14
							The	DEA	TH8 r	egiste	red i	n the	Weel	k incl	ude			
DTOYORDATION	Enume-			Deat				_		Death	s fron						2	80
REGISTRATION SUB-DISTRICTS,	l'opu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Intants under   Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fewer.	Simple con- tinued Fever.	Diarrhes.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS.  Well Shoreditch - N.R. & E.L. eonard Shoreditch - HL* - N.R. ton New Town w N.R. ton Old Town N.R. gerston WH N.R. & E.L.	7376 14967 29937 28036 4627 <i>8</i>	3 7 21 26 26	2 3 15 7 28	1 1 4 1 4	1 8 2 9	1 1 1 1	1 1 1 1	- 2		- 1		1 1 1	1 1 1 1 1	11111	2	1 2	- 6 12	
mal Green North WHL* - E.L. mal Green South E.L. nal Green East E.L.	51157 34399 41405	37 18 34	15 9 34	8 4 3	3 -	1111	3 1	1	1	2 - 1	-	-	-	1	1 -	1 -	16	-
dfields	22585 15473 17490 9713 6102	15 23 12 5 2	9 7 13 2 1	2 - 2	2 3 1 -	11111	2 - 1	11111	1	11111		- 1 -		1	1 3 -	2 3 -	3 9	1111
leorge's North E.L. lohn, St. George East W - E.L.	38747 8410	34 5	11 6	4 -	2 2	-	-	-	1	-	-	-	-	-	-	1	4	-
	10895 16107 82041	9 12 25	8 5 13	5 - 6	- 1	8	-		1 -		-	-	-	- 1 -	1 -	1	4 -	-
End Old Town West - E.L. End Old Town East WwwH-E.L.	37960 67653	32 48	18 30	3 9	<b>4</b> 5		1	1 4	1	-1	-	-	-	1 -	ī	2 4	4	-
nley wwwH E.L.	37074 64359 55077	28 63 39	9 86 24	3 8 6	1 6 7	-	1 1 1	1 1 1	- 1	ī -	~		1.	1	2 3	3	17 1	
SOUTH DISTRICTS,  Istehurch Southwark WH L, & S. Saviour Southwark - S. Leroad - S. & L. Ough-road WH - S. & L. don-road HL - L. & S. Ity Newington - S. & L. Coter Walworth W - S. & L. Mary Newington - L. & S.	18668 14999 21381 15958 21318 26672 59555 11623	14 5 16 8 18 18 45 12	4 5 1 8 6 5 29 9	3 - - 2 3 11 2	1 2 2 11 2	11111111	1111111	1111111	1111111	1	1111111	1	1	1111111	1111121	1 - 1 3 1	1 - 6 -	
Diave WH S. & L. ther Market S. & L. Mary Magdalen W - S. James Bermondsey - S. herhithe WH S. & K.	11956 16800 15669 54682 36024	8 12 15 32 27	11 2 8 15 10	1 1 2 4 4	1 - 2 2	11111	1	11111		1	1	1111		-	1 1 1	1 - 2 1	7 - - 8	1
terico-road let # -	15195 16351 19876 39859 45282 35882 62837 19017	10 28 12 84 24 27 82 10	6 5 11 26 10 8 21 4	2 8 5 7 1 6 1	2 1 2 13 2 2 6 2	1111111	1111111	1	1 - 4 -	1 - 1 - 2 - 1 - 1	1111111	111111	1111111	1111111	1 1 2 -	1 1 1 2 2 -	7 14 -	1111111
Battensea   8.     Batterea   WwH 8.     batterea   WwH 8.     daworth   WHL 8.     daworth   WHL 8.     atham 1.     atham 1.	54675 52587 56380 28004 13235 25553	40 54 27 32 8 20	17 20 13 14 4 10	7 4 1 4 - 1	1 6 7 2 3 3	111111	11111	111111	1	1 1	11111	11111	11111	1	2 - 2	3 -	3 1 2 -	11111
wish	5590 59104 71089 - 50810	1 50 47 41	37 17 16	- 6 4 5	1 7 2 3		2 2 -		- 1	1111	1111	ī -	1111	1111	1	- 1 1	19	
Paul Deptford *** - K. Nicholas Deptford K. snwich West H K. snwich East WHH K.	76752 7901 21972 24608	54 6 11 19	22 4 5 13	4 1 2 3	4 2 1 3	1111		3 -	1	1111	1111	1	1111	2	- 2	- 3	7 - 8	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	2 8 17 17.	1 3 8 9	1 1 1	1 1 4 3	1111			1111			1	1111	1111	- - 1	ī	- 1 -	- 1
riton H K. lwich Dockyard K. lwich Arsenal HH K. mstead, West H K. mstead, East W K.	10930 17617 19048 14009 19241	6 15 18 18 29	3 6 5 12	2 - 2	2 1 2 2 2	11111		1111	4111	11111		11:11	1111	1111	1 1	1 -1		1
ropolitan Asylum Hospitale: Dartford w Winchmore Hill w	-				-		11.		-	-	-				-			111

following Workbouse Establishments receive immates from other Districts than the one in which they stand, and are indicated in the Table by w:—

Introduction of the Informacy in Kensington Town sub-district.

Introduction of the Hollowsy sub-district.

Introduction of the Hollowsy sub-district.

Introduction New Town sub-district.

Introduction New Town sub-district.

Introduction New Town Eastern sub-dist.

Introduction New Town Eastern sub-dist.

Introduction New Town Eastern sub-dist.

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TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during

					endin	1							_					
Regis-		Area		- 1		-			The D	EATHS	regist	tered in	a the !	Week	inelud	3	1	1
tration District		Acres,	Enume-		100	Dea	ths of				Death	s from						ı
and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	ding Tidal Water and Fore-	Popu- lation, 1881.	BIRTHS	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	er.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Public	W
		shore.				Inf	Per	Sn	Me	Sca	Dip	W	Fever.	Dia	Vio	Inq	Dec	
LON	NDON-OUTER RING	370,924	950,957	766	318	75	79	-	1	5	9	9	6	7	9	21	30	
80:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	6 8	8	2	1	-	-	-	-	1 -	-	-	-	- 1	<i>5</i>	
37:1	Godstone (part of) * -	2754	1235	1	-		-	-	-	_	-	-	-	-	-	-	_	
38:1	Croydon WwEHI - Mitcham w†	20851 11697	101241 17932	47	30 5	5 1	9		-	1 1	1	1	-	-	1	4	1	
8p: 1	Wimbledon HHH -	3220	15950	7	3	2	1	-	-	-	-	2	-	H	I-I	-	-	
3	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	29 5	10	4:	1 -	-	-	-	-	-	-	-	-	-	-	
4	Hampton H	4573	18439	10	2	1	-	-		-	-	-	-	-	-	-	-	
40:1	Richmond WH Mortlake	2272 2941	21302 12331	9	8	2	8	-	-	-	-	1	-	-	1	3	1	
41:1	Bromley (pt. of) * HH	15669	81142	10 31	12	: 2	2	_		-	_		1	3	1	1	1	
2	Chishrst(pt.of)* WHH	14307	15844	В	2	1	1	-	-	-	-	-	-	-	-	-	1	
42:1 3	Bexley H ~ Dartford (Ww, pts. of)*	18487	24184	15	8 -		1 -	-		2 -		-	-	-	-	-	-	
124: 1	Sunbury to Staines W	11055 13277	11685 12089	7 9	1 1	-	1	-	-		-	-	-	1			-	
125:1	Hillingdon WHH -	6029	10802	15	7	- 1	2	_	_	_	1	_	1	-	1	1	2	
3	Uxbridge Hayes wHL	6178 14587	5225 11523	3	1	-		-	-	- 1	1	-	-	-	-	-	-	
126: 1	Isleworth WHH -	7008	22727	15	8	-	8	_		1	-				_	1	1	
2	Twickenham H	2477	12479	6	5	1	3	-	-	-	-	-	-	-	-	1	-	
3 4	Brentford HL Chiswick	4345 1340	27649 15975	13	3 4	1	1 2	-	-	-		-	-			-	-	
5	Acton wH	8008	22876	15	4	2	-	-	-	-	-	-	-	-	-	-	-	
127:1	Harrow $H$ Edgware $H$	13809 E994	12796 3749	10	7	3.	2	-	-	-	-	1	-		-		1	
3	Willesden	4383	27453	23	18	6	3		-	-	-	1	1	-	1	1	-	
137:1	Hendon W Bushey	9331	10484	3	5	1	2	-	-	-	-	-	2	-	~	-	2	
2	Watford (W, pt. of) -	-		6 -	2 -	-	-	-		-	-		-	-	-	-	_	
128:1	South Mimms	15599	6391	2	5	-	4	-	-	-	-	-	-	-	-	-	-	
3	Barnet Finchley HL	5433 4688	10092 17615	1 14	4 9	3	2	-	-	-	1	-	-	-	1	1	2	
135:1	Hattield (part of) * -	3806	583	-	-	-	-	-	-	-	-	-	-	-		-	-	
129:1	Hornsey H	3039	37078	28	15	1	8	-	-	1	-	-	-	-	1	1	1	
3	Tottenham $H$ Edmonton $Ww \updownarrow -$	4642 7483	46456 23463	59 25	27 8	6 2	4 2	-	-	-	8	-	-	-	1 -	1	2	
4 5	Enfield WH Waltham Abbey	12658 11017	19104	27	9	2	8	-	-	-	-	-	-	1	-	1	1	
6	Cheshung	8480	7735	5	1	1	-	-	1	-		-		-	-	-	-	
186:1	Stratford	882	38606	24	7	2	2	-	-	-	-	-	1	-	-		-	
3	West Ham wwwwH\$- Leyton WwL	7351 4372	101058 82430	113	42 17	13	7 2	-	-	1	-	2	-	1	1	. 2	- 2	
4	Walthamstow H -	6520	28869	45	9	1	2	-	1	-	2	-	-	1	-	1	-	
107:1	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9669	14	-	-	-	-	-	-		-	-	-	-	-	-	
189:1	Romford (part of) * W	6730	3411	2	1		1	-	-	-	-	-	-	-		-	-	
2	Ilford - ·	8493	7645	3	1	-	-	-	-	-		-	-	_		-	-	
3	Barking Town	4127	9203	16	3 !	2	1	-	-	-	-	-	-	-	-	-	-	1

<sup>•</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:—30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Farley in district and Parishes of Warlingham and Parishes of Warlingham and Parishes of Warlingham and Parishes of Warlingham and Parishes of Warlingham and Parishes of Warlingham and Parishes of Warlingham and Parishes of Warlingham and Parishes of Warlingham and Parishes of Warlingham and Warlingham a district; 39:3, Eaber sub-district, except the parish of Eaber (pop. 1993); 41:1, Encoursy sub-district, except the parish of Eaber (pop. 1993); 41:1, Encoursy sub-district, except the parish of Mortans and Knockholt (pop. 1818); 41:2, Chialentret sub-destrict, except the parish of Cholsfield (pop. 947); 135:1, the parish of Nortans in Hatfield sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagendam in Rounce district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

<sup>Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winehmore Hill (see Table 5).

Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).</sup> 

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 19th October, 1889.

GREATER	Area in Acres.	Estimated	of Mon	L RATE	DEATHS	Deat	The Da	ATES	regi	3		he W	-	nelud	e	Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fover.	Diarrhoss.	Violence.	Deaths in Pulnstitution
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
EATER LONDON	448,334	5,642,015	16.0	1.7	1728	395	416	-	24	30	50	35	20	29	66	363
inner London - Outer Ring -	77,410 370,924	4,351,738 1,290,277	16·9 12·9	1·8 1·5	1410 318	320 75	337 79		23	25 5	41	26	14	22	57 9	333 30

orr.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 706.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,681,747 Persons.

					Annual	DE	EATHS		PRIN	ES.	ZYMO	_
Стіва,	POPULATION (enumerated or estimated).	DATE OF RETUEN. Week ending	BIRTHS. Exclusive of	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Soarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
LCUTTA	433,219	August 31		199	23.9	1	1	_	_	1	49	31+
MBAY	773.196	September 17	321	511	29.2		3	2	2	2	145	50+
ADBAS	398,777	August 30	269	338	44.0	_	12	9	2	5	75	81†
				984	22.6		4.	1	21*	15	21	69
RIB	2,260,945	October 12	1121	165	18.2	_	-48.		21	10	21	25
1 8 Faubourgs.)	<b>471,606</b>	, 12	245	100	15 2	-			_	_	4	20
ISTERDAM -	403,083	" 12	312	143	. 18.6	-	3	Base	8	1	1	
TTERDAM -	197,723	,, 12	145	69	18.0	-	-		-	-	-	
R HAGUR -	153,440	" 12	96	46	15.2	-	-		-	2	1	
PENHAGEN -	307,000	, 12	210	97	16.2	-		2	. 5	- 2	-	5
OCKHOLM -	228.218	,, 5	162	95	21.6	-	200	4	3*	. 1	i i	12
BISTIANIA -	138 300	,, 12	83	72	27.1		-	-	12*	2	2	9
PETERSBURG	842,883	September 28	-	387	24:0	2	13	9	3	6	7	49
CRLIN	1,489,672	,, 28	933	493	17.1	_	1	6	32	6	4	53
AMBURG(State)	575,276	October 5	419	220	20.0	-	-	1	9*	6	8	27
RESDEN	261,196	, 5	175	88	17:3	9	-	-	3*	5		9
RESLAU	315,000	,, 12	252	138	22,9	-	1	1	6*	3	1	8
UNICH	281,000	, 5	217	146	27.0	-	- 1	8	3*	1	1	25
ENNA	811.434	, 5	526	288	18.2	-	6	1	4	2	1	25
LAGUE	304,356	,, 5	- m	126	21.6	2	-	7	5	3	-	-
JDA-PESTH -	452,907	· 5	339	179	20.2	-		4	5	1	6	16
HESTE	158,084	" 5	-	54	17.8	-	-	1	-	2	1	3
OME	407,936	August 24	256	185	23.7	2	-	-	2		14‡	40
JRIN (10 days)-	306,398	September 10	220	193	23.0	- 1	7	4	2	3	5	38
ANICH	154,369	" 28	82	79	26.7	8	-	-	1	-	1	.19
LIEO	374,838	,, 26	394	315	43.8	-	-	-	-	-	13	120
LEXANDRIA -	231,396	,, 26	181	185	. 41.7	1			2*	1	12	52
NW YORK -	1,571.300	,, 28	_	641	21.3	_	1	3	17	12	7	57
SOOKLYN -	834,607	90	_	308	19.3	-	-		13		5	22
HILADRIPHIA -	1,040,245	28	-	312	15.6	-	-	2	3	2	15	9
ALTIMORE -	500,343	, 28	-	161	16.8	-	-	-	5	-	9	10

Including deaths from croup.
 Including 6 deaths from cholera in Calcutta, 5 in Bombay, and 3 in Madras.
 Including 12 deaths from malarial fever.

Table 9 .- METEUROLOGICAL OBSERVATIONS taken at the Roxal Observatory, Greenwich, during the Week ending Saturday, October 19th, 1889. [ Under the Sunerintendence of the Astronomer Ronal ]

)											Mete	orol	ogi	c <b>al O</b> l	bserva	tions.						
			Ozone.	1	0.0	0.0	0.0	0.8	1.0	30 00	2.11	6.8	27	on ;	are sion and	air sed	phic nent	and	and the	The	how	p fu.
ı	Rain	in a Gauge Whose	surface is 5 inches above the Ground.		in. 0.00	00.0	00.0	0.45	00.0	00.0	0.25	Sum 0.70	26	vel of the sea; no	ometer,	of the	notogra moven	5. gher," feet be	from	neter.	ment, s	to 29.7
ı	Ī		Depar- 5 ture from Average G of 16 Years.		Miles. -121	-123	46	74	30	54	74	Sum -374	25	vel of	therm from a he bare	rature idity a	the pl	ing 187 tes "hi	at Depuctions	lectron	Instru as app	ne week
ı		Robinson's.	ent ture		_			!	-	1	+	121	1 2	nean le	et bulb leduced 73 for t	tempe f humi	ssion of	indica indica lepth	instra	aring E	nshine prstood	ing of the
ı	ers.	Ro	Horizontal Movement of the Air on each Day.		Miles.	130	210	185	232	210	340	Sum 1436	2.4	ve the	the wetions define 18	of the r	discus	that +	under	f-regista	kes Sur	beginni the 16
ı	emomet	the	an 24 irly s.		1bs. 0.0	0.0	0.0	0.0	0.0	0.0	9.0	:	23	eet abo	f correctors en	aily va	from 8	s for th mind spende	Market	n's sell	sre to l	at the
ı	rom Ar	Pressure on the	Least.		1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	2.5	s 159 f duce t on: 3]	mome vition o enty y	rected	erived	record orne in are su	the	homsc ive;	Cample oh day tions	, 51 in.
ı	duced f	Pres	Great.		lbs. 0.0	0.0	1.2	₹.0	6.0	6.0	22	:	21	neter i s to re	b ther upplies the two	tempe	hat d	be be harnes	erk of	rom T negat	the on ear	rom 29
I	Wind as deduced from Anemometers.	General Direction.	P.M.		N. & WSW.	SW. SSE. &	S. & SSE.	S. SW. &	SW. & SSW.	SE. & ESE.	SW. S.	& SSE.	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h. A.M.: noon: 3h. P.M.; and 9h. P.M. The means of the	eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into men daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1883 for the statement and during the twenty years ending 1888 for the thermometers. With the corrected men, men incention	of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are defined from the mean daily values of the dry and wer bulb thermometers by Gasiows, Hrong.	metrical Tables.  The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years enting 1865, and that of horizontal movement.	of the air from a discussion of the anemometric records for the 16 years ending 1875.  In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and  "lower," than the average.  The thermometers in the water of the Thames are suspended at a depth of two feet below	ed by the Cle	is derived from Thomson's self-registering Electrometer. The positive; N. negative; w. weak; m. moderate; s. strong; and	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the largerested curation of bright sunshine on each day.  The results of all the meteorological observations are to be understood as analyzing to the	civil day, or from midnight to midnight.  The reading of the barometer increased from 29 51 in. at the beginning of the west to 39 79 in. by 39. A.m. or the 14st; decreased to 39 95 in. by 39. A.m. or the 14st; decreased to 39 95 in.
yal.]					SW.& WSW.	SW. & WSW.	SSE. & S.	SSE.	NW. & WSW.	S. & SE.	ESE. SE. & SSW.	SW. &	19	the cistern een applied t are usually t	the baromete mean daily v phic records of	thermometer thermomete he mean dail	emperature Greenwich	of the air from a discussion of In reading the columns 9 ai — "lower," than the average.  The thermometers in the wa	their readings are registered Corporation of London.	The record of Electricity symbols employed are:P.	in column 29 uration of br of all the me	in midnight to the baromet. The 14th; decr
er Ro	E.	Of the Water of the Thames at Deptford.	Low-		• :	:	:	:	:	:	:	:	18	ght of has b	ngs of into otographe twere	mum imum 3). Ti	Lables erage t	from ging the that the grand from th	dings on of ]	cord o	mbers gate d	ding o
ronon	TEMPERATURE.	Of the at De	High-		• :	:	:	:	:	:	:	:	17	he hei rection bserv	reading verted he pho	the dry	metrical Tables. The average trecords made at	n read lower	ir rea	The real	the nu	il day, The rea
the Asi	EMPE	Of Radiation.	Lowest on the Grass.	(	28.0	0.63	33.0	0.09	35.0	30.0	37.4	34.6	16	Cor		2 # 3 £			330	Syr	- \$ -	civ Dy J
Under the Superintendence of the Astronomer Royal.]	T		High- est in Sun's Rays.		102.8	2.48	2.011	97.2	9.76	83.0	1.94	92.4	Iñ		generally	ning.	Fine with little cloud occasionally till afternoon; nerally overcast afterwards with occasional slight in. Solar halo.	showers till	oudy and	000°		
ntende		Degree of Hu- midity	ration equals 100).		83	87	40	93	28	30 00	on 00	88	14	rs.	noon;	Fog iu morning.	till af	light sho	in; cl	and afternoon,		
uperi	tween	oint are.	Least.		0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.1	13	MARI	ill after		sionally with c	급	light ra	ing and		
r the S	rence be	the Air Temperature and Dew Point Temperature.	Great-		12.4	13.6	12.5	2.2	9.3	9.6	8.4	0.01	12	GENERAL REMARKS	cloud t	nd fine,	id occa rwards	Occasional at night.	with 8	a morning	ċ	
Unde	Differ	and and Te	Mean daily value.		3.50	3.7	8.4	2.0	3.0	4.2	50.00	3.6	11	NER.	y little y after	dless a	tle cloust afte		orning,	rain i	ent rai	
		Of the Dew Point.	Mean daily value.		42.3	40.8	0.44	23.4	₱.9₱	45.0	45.5	45.8	10	GE	vith ver	Generally cloudless and fine.	with lit	ust gene	Overcast in morning, with slight rain; cloudy se afterwards.	Cloudy; slight rain in	Cloudy; frequent rain.	
	ζE.		De- parture from Average of		1.9 -	6.9 -	9.0 +	+ 4.5	8.0 -	1.8	1.00	- 1.8	6		Fine with very little cloud till affernoon; generally cloudy and foggy afterwards.	Gener	Fine with little generally overcast rain. Solar halo.	Overcast generally. afternoon; heavy rain	Overca*t in m	Cloud	Cloud	
	TEMPERATURE	dr.	Mean daily value.	,	45.5	44.5	21.8	2.22	20.3	49.5	49.0	49.4	00	above rizon, nours.	10.8	2.01	2.01	10.6	10.2	2.01	10.4	Sum 74.3
	TEMPI	Of the Air.	Daily Range.	E	21.2	20.0	20.0	10.1	14.5	18.0	8.9	16.5	4	ed Sun e, Ho s. in l		<del></del>	Ä	-	-	Ä		
ı			Low- est.		35.0	35.1	41.1	2.19	44.1	39.6	45.1	41.6	9	Sunshine, Horizon, in hours.	5.60	4.1	23	8.0	2.4	0.0	1.1	Sum 17.3
ı			High-	c	56.2	55.1	1.19	6.19	9.89	9.49	54.0	8.49	16			•		ng; non; ter-	٠		ter-	or a 44b.
ı	BARO-	Mean daily reading	rected and re- duced to 32° Fahren- heit).		29.660	29.774	184.63	29.260	29.650	29.331	29.043	29.538	4	ELECTRICITY, or explanation minols, see Note	98 - 21	in action		ent under in morni aftern v. P. a	erally .	erally .	n defe	a about
		Phases			:		Greatest Dec. N.	:	Last Qr.	:	: /	:	8	ELECTRICITY. (For explanation of eymbols, see Note.)		Not in		Instrument under adjustment in morning; in. P. in afternon; v. N. and v. P. after-	wards. s. P. generally	s. P. generally	Insulati	wards, with s. N. for a short time about 4\frac{1}{2}h.
			Q.	٠	13	14	15 G	16	17 IL	18	19	-	-		52	14	15	16 ju	17	18	10 in	J. De 1
		1889.	Monte and Day.	OCTOBER.	SUN.	Mon.	TUES	WED	THUBS.	FEI	SAT.	MEANS	No. of Col.	DATE. OCTOBER.	SONDAY	Monday .	FUEEDAY .	PEDMESDAY	TRUBSDAY .	FRIDAY .	BATUEDAY .	

#### WEEKLY RETURN AND BIRTHS DEATHS IN LONDON

AND IN

#### TWENTY-SEVEN OTHER GREAT TOWNS:

By Authority of the Registrar General.

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WEEK ENDING SATURDAY, OCTOBER 26.

Price 11d.

General Register Office, Somerset House, 28th October, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.5 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending	;			Weeks	ending	
Towns.	Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.	Towns.	Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.
Birkenhead	16.3	17.8	15.8	9.7	Liverpool	19.2	19.3	21.5	20.6
Birmingham	13.2	16.2	17.1	17.0	London	16.6	15.8	16.9	15.7
Blackburn -	19.8	20.7	22.4	22.8	Manchester -	25.8	24.2	22.0	24.0
Bolton -	17.7	17.3	19.1	19.1	Newcastle-on-Tyne*	25.3	25.6	26.3	27.6
Bradford* -	18.2	16.4	20.6	17.1	Norwich	23.2	16.0	18.2	10.5
Brighton -	18.9	16.3	14.6	19.3	Nottingham -	14.9	14.3	14.5	18.2
Bristol -	15.9	12.3	20.7	14.1	Oldham	15.8	16.5	17.6	21.6
	11.1			13.9	Plymouth	19.3	32.7	31.4	28.0
				11.7	Portsmouth -	17.4	15.5	15.9	11.8
Halifax -	20.6	21.9	22.5	23.2	Preston	19.5	28.0	34.1	29.0
Huddersfield				18.0	Salford*	19.4	16.0	16.3	13.6
Hull		20.6				19.5	18.3	21.4	18.8
Leeds -	18.1	24.8	24.2	19.9	Sunderland -	25.7	27.6	23.7	22.9
Leicester* -	10.7	14.9	13.5	15.9	Wolverhampton -	24.0	15.2	19.0	22.8

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.5 in Preston, 1.6 in Newcastle-upon-Tyne, and 2.7 in Sunderland; from scarlet fever, 1·1 in Liverpool and 4·7 in Plymouth; from whooping-cough, 1·5 in Preston; from "fever," 1·1 in Nottingham and 1·3 in Halifax; and from diarrhæa, 1·1 in Norwich and 1·5 in Preston. The 53 deaths from diphtheria in the twenty-eight towns included 37 in London, 3 in Salford, and 2 in Cardiff. No death from small-pox was registered in any of the twenty-eight towns.

# LONDON.

increase of population, the births were 287, and the deaths 355, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes which had been seen as the last ten years. death-rate per 1000 from all causes, which had been 15.8 and 16.9 in the two preceding weeks, declined again last week to 15.7. During the first four weeks of the current quarter the death-rate averaged 16.3 per 1000, and was 2.6 below the mean rate in the corresponding periods of the ten years 1879-88.

The 1310 deaths included 17 from measles, 27 from scarlet fever, 37 from diphtheria, 22 from whooping-cough, 1 from typhus, 21 from enteric fever, 1 from

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

an ill-defined form of continued fever, 15 from diarrhea and dysentery, and not one from small-pox, or cholera; thus, 141 deaths were referred to these diseases, being

63 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 6. fatal cases of measles, which had increased in the five preceding weeks from 3 to 23, declined again last week to 17, and were 21 below the corrected average; 5 belonged to Bethnal Green, 2 to Chelsea, 2 to Marylebone, 2 to Pancras, and 2 to Whitechapel sanitary areas. The fatal cases of scarlet fever, which had been 15 and 25 in the two previous weeks, further rose last week to 27, but were less than half the corrected average; 3 belonged to Fulham, 2 to Islington, 3 to Shoreditch, 4 to Mile End Old Town, 2 to Battersea, and 2 to Greenwich sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1450 scarlet fever patients on Saturday last, against numbers increasing in the seventeen preceding weeks from 559 to 1394; 182 cases were admitted to these hospitals during the week, against 177 and 188 in the two previous weeks. The deaths from diphtheria, which had been 45, 35, and 41 in the three preceding weeks, declined again last week to 37, but exceeded the corrected average by 16; 2 belonged to Marylebone, 2 to Pancras, 2 to Holborn, 4 to Shoreditch, 5 to Mile End Old Town, 4 to Lambeth, 2 to Camberwell, and 2 to Woolwich sanitary areas. Nineteen of the 37 deaths from diphtheria occurred in hospitals, and on Saturday last 104 cases of this disease were under treatment in the Metropolitan Asylum Hospitals, 16 having been admitted during the week. The 22 fatal cases of whooping-cough showed a decline of 4 from the number in the previous week, and were 5 below the corrected average; 4 belonged to Pancras, 3 to Lambeth, 3 to Battersea, and 2 to Woolwich sanitary areas. The deaths attributed to diarrhaa and dysentery, which had declined in the four preceding weeks from 80 to 22, further fell last week to 15, and were 13 below the corrected average.

The deaths from enteric fever, which had been 19, 16, and 11 in the three preceding weeks, rose last week to 21, but were 5 below the corrected average; 2 belonged to St. James Westminster, 2 to Pancras, 2 to Islington, 3 to Stepney, 3 to Newington, and 2 to Battersea sanitary areas. The death of a child, aged 2 years, in Ingestre Buildings, St. James Westminster, the cause of whose death was uncertified, was attributed to "fever." The death referred to typhus was of a child, aged 13 years, in Buckland Street, Shoreditch. The death of an infant, aged

one year, was indefinitely referred to "infantile remittent fever."

The deaths referred to diseases of the respiratory organs, which had increased in the five preceding weeks from 142 to 300, declined again last week to 281, and

were 125 below the corrected average.

Different forms of violence caused 49 deaths, concerning all but 3 of which inquests were held. Of these 49 deaths, 6 were cases of suicide, and 3 of murder or manslaughter, while the remaining 40 were attributed to accident or negligence. Three of these were caused by horses or vehicles in the streets, 5 by burns or scalds, 3 by drowning, and 12 (including 11 of infants under one year of age) by suffocation.

# GREATER LONDON.

In Greater London 3409 births and 1671 deaths were registered, corresponding to annual rates of 31.5 and 15.5 per 1000 of the estimated population. In the Outer Ring 9 deaths from scarlet fever, 7 from diphtheria, 5 from "fever," and 5 from measles were registered. The fatal cases of scarlet fever included 3 in West Ham and 2 in Stratford sub-districts. Three deaths from "fever" were recorded in Hendon, and 3 from measles in Walthamstow sub-districts.

### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 20.55 ins.; the lowest reading was 29.04 ins. on Sunday morning, and the highest 30.04 ins. on Friday evening. The mean temperature of the air was 46.77, and 3.0 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, the coldest day being Friday. The general direction of the wind was N.N.E., and the horizontal movement of the air averaged 7.4 miles per hour, which was 3.8 below the average in the corresponding weeks of 16 years. Rain fell on four days of the week, to the aggregate amount of 1.07 inches. The duration of registered bright sunshine in the week was 8.1 hours against 15.3 hours at Glynde Place, Lewes. was 8.1 hours, against 15.3 hours at Glynde Place, Lowes.

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		OPULATIO	to the middle of the Year	1869.	1.	9.555.406	4 9K1 799	121,807	141,253	94,510	229,361	82,544	454,835	150,520	237,812	98,529	606,562	114,670	878.800	284,283	142,405	121,275	92,825	81,080	235.056	357,449	827,227	208,017	184,193	160,983	-	. 266,900	528,144 353,089	
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Table 2. LONDON.—Births and Deaths Registered in the Forty-Third Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
TOTAL Births  Males .  Females .	2547	2490	2753	2570	2724	2694	2581	2685	2581	2666	2866·9	2580
	1280	1310	1378	1336	1366	1391	1338	1370	1357	1350	1469·5	1308
	1267	1180	1375	1234	1358	1303	1243	1315	1224	1316	1397·4	1272
Total Deaths  Males Females .	1561	1521	1588	1466	1450	1463	1366	1380	1738	1737	1665·1	1310
	831	796	822	767	753	744	696	693	907	914	863·9	686
	730	725	766	699	697	719	670	687	831	823	801·2	624

The numbers in this column are the average weekly numbers in the forty-third weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

J'ABLE	; <b>3.</b> 11010	DON.—1	DIRIH!	5, DE.	ATHS,	and 1	METE	OROLO	)GY 11	the	Last	THIR	TEEN	WEEK	.8.
			Aug.	Aug. 10.	Aug. 17.	Aug. 24.	Aug.	Sept.	Sept. 14.	Sept.	Sept. 28.	Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.
TOTAL	Births		2481	2180	2715	2358	2425	2373	2433	2344	2504	2364	2595	2518	2580
TOTAL :	Deaths		1532	1366	1382	1240	1263	1170	1933	1267	1361	1381	1321	1410	1310
Ages at Death	$\begin{cases} 0-20 \text{ year} \\ 20-40 & 9 \\ 40-60 & 9 \\ 60-80 & 9 \\ \text{at 80 years} \end{cases}$	-	850 161 209 261 51	739 139 222 216 50	727 160 202 235 58	628 140 197 223 52	569 172 235 240 47	585 151 219 216 49	583 164 207 233 49	599 157 248 216 47	644 186 244 245 42	630 201 230 261 59	581 187 227 263 63	590 209 274 272 65	562 163 250 283 52
	Under 1 ye 1-5 5-20	ar -	555 193 102	468 195 76	447 195 85	387 163 78	331 156 82	306 141 88	313 204 66	382 182 85	386 165 93	376 172 82	321 175 85	320 187 83	276 200 86
99 99 91 91 99 91	" Typhus " Enterica " SimpleC " Diarrhoe " Dysen " Cholera	ever - ria - ng-cough fever - ontd fever a and	25 11 45 22 8 - 199 4	15 16 28 19 2 6 1 175 4	18 13 36 17 - 8 - 158 4	9 16 37 20 - 11 - 1(9 2	12 17 32 21 - 12 - 78 1	9 18 30 28 1 21 1 63 3	10 17 41 18 - 19 2 68 -	3 25 44 26 - 11 1 73	7 22 44 23 2 19 1 80	9 20 45 14 - 19 2 52 1	13 15 35 14 1 16 - 28	28 25 41 26 1 11 2 22	17 27 37 22 1 21 1 15
29 22	" Phthisis " Dis. of C	espira- } System } Circula- }	182 126 110	149 128 93	162 185 111	115 139 104	173 148 149 93	179 142 134 95	152 137 102	184 143 157 110	198 189 146 112	162 225 148 123	122 264 129 127	300 184 115	281 141 115
TEMPERA	eaths -		70 115 325	65 114 320	49 108 319	56 93 279	51 93 33 <b>5</b>	47 86 327	49 101 316	54 96 324	62 119 335	62 119 385	50 99 314	57 112 332	49 101 320
Mean o	of Highest real		64.9 76.2 55.3	(0.4 72.8 52.0	59·3 69·7 52·5	57·8 68·1 51·1	60·2 73·0 43·5	60·5 69·1 55·2	63·0 74·6 53·8	51·1 62·2 41·6	50.6 58.9 42.9	48·9 56·7 43·8	49·8 58·4 42·6	49·4 57·8 41·6	46·7 53·7 41·5
Rain-fall		in hours)	0·20 36·5	0.46	0.19	0.98	0·c0 53·9	0.54	0.00	0.52	0.85	0.90	0.57	0.70	1.07

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield. Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; F. Smpson, Esq., Wrottesley, Wolver-hampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-ham; J. Hartuup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc, Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunnerland: and Wm. Lyall, Esq. Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the FORTY-THIRD Week of the Year 1889.

,				1	OR	TY-	THI	RD	We	ek of the Year 1889.									
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ALL CAUSES	1665*1	1310	276	200	86	163	250	283	52			1							
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Small- Vaccinated; -	6.5	-	1	-	-	-	-	-	-	Diseases of Circulatory									
No Statement	) (	-	-	-		-	-	-	-	System}	114.8	115	2	2	7	11	44	46	3
Measles Scarlet Fever	38.1	17 27	2 2	20	4 5	-	-	-	-	Croup	15.3	10	3	7	Ŀ	-		-	-
Typhus	1.2	1	-	-	1	-	-	-	-	Bronchitts Pneumonia Pleurisy	245.0 104.6 6.1	161 81 5	15	7 33 28 1	5	2 9	12 13 2	53 9 2	10
Relapsing Fever †	0.0			-	-	-		-		Other Diseases of Respi- ratory System -	35.1	24	6	5	1	2	3	7	
Whooping-cough	27.2	22	9	13	-	-		-						-			-	П	
Diphtheria Simple Continued and	20.8	37	3	21	12	-	1	-		Dentition † Quinsy, Sore Throat † -	3.0	5 4	3	2 2	1		- 2	-	-
Ill-defined Fever - 5	25.7	21		1	-	-	H	-	-	Enteritis	8·5 8·5 30·6	8 6 27	1	- 2	3 2	2 4	1 9	1 10	-
Enteric Fever Cholera	0'4	-	-	-	6	13	1	-	_	Other Diseases of Digestive System -	29.1	22	1	2	2	4	4	8	1
Diarrhœa, Dysentery - Remittent Fevert	28.2	15	9	2	-	-	1	2	1					-	-		-		
Hydrophobia	0.1	-	-	-	-	-	_	-		Diseases of Lymphatic ) System & of Ductless Glands †	2.1	2	-	-		-	2	-	-
Glanders Cowpox and Effects of )	0.1		-	-	-	-	-	-		Gianus  )				_	-		-		
Vaccination † 5	0°2	-	-	-	-	-	-	-		Diseases of Urinary	41.3	49	-	-	2	8	14	22	3
Venereal Affections - Erysipelas	9.6	8	7 2	-		1	1 8	-					-		-				-
Pyæmia and Septicæmia †	8.0 8.0	1 8	-	-	-	-	-	1		Diseases of Generative	6.5	-	-	-	-	-	-	-	-
Puerperal Fever Other Zymotic Diseases †	1.5	2	-		1	7	1	-	l-	Accidents of Childbirth -	4.1	2	_	-	-	2	-		-
Thrush	1.9							-		Diseases of Locomotive	7.5	6	-	-	5	-	1	-	- }
Worms and other Para-)	0.7			-	-	-	-				-		-		-				-
sitical Diseases }						_				Diseases of Integumen- tary System}	6.7	2	1	-	-	-	-	1	-
Starvation, Want of Breast-milk † }	i°6		-	-	-	-	_	_	_						_				
Alcoholism	4.3	7	-	-	-	2	3	2	-	VIOLENT DEATHS.§				-	į	-			
Rheumatic Fever.	10.0	10								(ACCIDENT.) Fracture and Contusion	22.3	18	_	2	2	2	5	4	3
Rheumatism of Heartt	2.4	10		1	2	1	3	3		Gunshot Wound Cut, Stab	0.2	-	-	-	-	-	-	-	-
Gout	2.8	4	-	-	-	-	2	2	_	Burn and Scald Poison	1.0	5 1 8	1	3	1	-	1	-	-
Rickets †	2°4 56°8	55	2	2	-	4	29	-	- 2	Drowning	11.2 2.6	12	11	-	2 -	1	-	1	-
Tabes Mesenterica -	28°4	17	10	6	-	1	-	20	2 -						-			-	
Tubercular Meningitis - Phthisis	22.2	19 141	8	6 2	3 11	63	1 54	-	-	(Homicide.)	7.4	3							
Scrofula, Tuberculosis -	15.6	13	3	6	1	2	1	-	-	Murder & Manslaughter	1.4	-	3		_	-	_	_	_
Other Constitutional Diseases † }	9.9	12	1	-	-	2	3	5	1	(Suicide.)									1
Premature Birth	34.2	43	43							Gunshot Wound Cut, Stab	0°3 1°4 1°9	-	-	-	-	-	-	-	-
Ateleotasis +	8.5	4	4	-	-	-	-	-	-	Poison	1'9 1'2 1'1	1 - 3	-	-	-	-	1 3	-	
Congenital Malforma-	6.1	7	7	-	-	-	-	-	-	Otherwise	0.8	2	-	-	-	1	1	-	-
Old Age	50.1	34		-	-	-	-	17	17										
Apoplexy	49°2	88	-	-	1	3	14	16	4	(EXECUTION.) Hanging	0.0	-	-	-	-	-	-		-
Epilepsy Convulsions	6·7 46·5	7 30	28	1 2	1	2	1	2	-			_				-			-
Other Diseases of Brain }	82.9	78	4	13	1	12	9	35	4	OTHER CAUSES †	72.4	41	35	2	-	-	3	1	-
* The numbers in this as													-				- 1		

As the numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9'046 per cent, for increase of population that the numbers average applying the correction of the form of the fo

<sup>1</sup> Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the decease has, or has not, been vaccinated, or when the cause of death is not certified by a registered by a registered to the returned under the heating "no statement."

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		_				-			_		-		_	_		/ eek	024	-
							The	DEAT					Wee	kinel	nde	-		-
	Enume-			Deat					-	Death	s fro						lie	868
REGISTRATION	rated Fopu-	183	H.F.	er 1	d 60 wds	1		or.		Sons		(or Fever	ver.			.906	Publie	Causes
SUB-DISTRICTS.	lation,	Вівтия	DKATER		aged a	POK.	ı,	Fever.	eria.	ing-	9.	o (pi	d Fe	ma.	.00	t Cases	tutic	ified sath.
1	1881	Total I	Total ]	Infants Year	Persons Years	Small-pox.	Measles.	Searlet	Diphtheria	Whooping-cough	Typhus.	Enterio (o Typhoid)	Simple con-	Diarrhua	Violense	Inquest	Deaths in Pu Institutions.	ncertified of Death.
		To	T	Inf	Per	S	M	2	- D	W	H	NA PART	20.0	α_		1	<u>a</u> _	2
LONDON	3,815,704	2580	1310	276	335	-	17	27	37	22	1	21	1_	15	49	101	320	12
WEST DISTRICTS	669,688	373	227	41	65	-	2 4	5 9	3 14	8	-	5 6	1	5	6	10	8± 65	3
NORTH DISTRICTS -	905,947 282,238	570 149	295	60 18	76 26	-		1	4	1	-	-	-	'-	7	10	34	1
CENTRAL DISTRICTS  EAST DISTRICTS	692,738	517	275	60 97	64 104	-	9	6	5 11	10	1 -	3	-	2	13 16	38 32	73 64	7
SOUTH DISTRICTS HOS-	1,265,148	971	421	-	-		_	-	_	-	-	-	-	-	-	-	3	-
LONDON				-								1						
WEST DISTRICTS.  St. Mary Paddington WHH G.J. & W.M. G.J. & W.M. G.J.	69888 87880	47	17	3 -	8 2	-	-	-	-	-	-	1	-	-	-	-	6 7	-
Kensington Town Ww - W.M.	120141	74 16	43	7	11 3	-	-	_	-	-	-	1 -	-	-	1 -	2 -	10	-
Brompton H W.M	7,599	7 44	2 21	4	1 7	=	1 1 2	1 12	1	-	-	-	-	- 2	1	2 2	8 10	-
St. Paul Hammershitti II W.M. & C	42900 0396	51	28	7 2	8	-	1	5 -	-	ī	7	-	-	-	ī	ī	16	-
Chelsea South HHH' Chelsea North-west WHHHHH- Chelsea North-east	24925 32807	16 22	21 11	2 4	3		-	-	-	-	-	-	-	-	-	-	6	-
May Fair WW G.J.	59220	28	10 19 6	1 4	3 2	=	1 -	=	-	-	-	-	-	1 - 2	1 -	1 -1	10	1 -
St. John Westminster Han	35496 24679	20	13	2 2	5 1		-	-	1	1	-	2	1		=	1	10	1
St. James Westminster WHH N.R. &G.J. St. Anne Soho HHHHHHHH - N.R.	29941 16608	16 5	7 2	î	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NORTH DISTRICTS. All Souls Marylebone HHHH - W.M	26759	18	8 3	1	ī	-	-	-	1 -	-	-	1 -	-	-	-	1 -	3 -	-
All Sonis Marylesone — W.M. Cavendish Square HHHH — — W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Mayyleb. HHH G.J. & W.M. Christehurch Marylebone HH — W.M. Christehurch Marylebone H — W.M.	14891 24809 21118	12 28	7 8	3	2 2 1	=	2	-	1	-	=	-	-	1 -	-	-	1.	-
St. Mary Marylebone HH - W.M. Christchurch Marylebone H - W.M. St. John Marylebone H - W.M.	33700 33638	21 8	8	1 -	2	-	-	- 2	1	1	-	-	-	-	-	-	4	-
Hampstead Www H N.R. & W.M.		24 24	19	1	6 2	-	2	-	-	1 1	-	1	11	-	1	2	7	-
Gray's Ing Lane HHH N.R.	27729 30247	19 18 18	6 5	3 -	2 2	=	-	-	1	ī	-	1	-	-	-	1	1	-
Camden Town WH N.R.	17811	17 66	10 36	3 5	13	-	-	-	1	ī	-	-	-	1	3	-	5	-
Wentish Town W Upper Holloway WWwH Islington South-west HH - N.R Substitution South-oast t	67946	47 63	33 24	6 8 5	8 6 5	=	1 =	1	-	ī	-	1 -	-	-	1 1	1 2	16	1 -
Highbury H N.E.	02090	33 32	12	2	4 3	-	-	-	1	=	-	1	-	-	1	1	1 -	-
Stoke Newington H N.R.	9277	15 13 20	5 1 5	2	1	-	1	-	-	-	-	1	-	1	-	-	21	-
West Hackney H Hackney WwwwH South Hackney - E.L.	76911	60 18	15	10	11	-	-	6 -	8 -	-	-	-	-	1	-	1 -	-	-
CENTRAL DISTRICTS.	16681	8	4	-	2	-	-	-	-	-	-	-	-	-	1 -	- 2	-	-
St. Giles South WH N.R.	14864 13837	17	7 2	2	1	-	-	-	-	-	-	-	-	-	1 -	-	2	-
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R.		4	5	1 2	1 2	-	1 -	-	1	-	] =	-	-	=	-	-	1 3	1
Strand Union Workhouse, Edmonton w	_	-	7		1	:	-	1	=	-	1 -	-	-	-	-	1	5	-
St. Geo. the Martyr HHHHHHH N.H. St. Andrew Eastern W - N.H. Saffron Hill H N.H.	6538	3 4	1 2	1 -	1 7		-	-	-	-	-	-	-	-	ī	-	7	-
St. James Clerkenwell - N.H	17516	16 14	8 8	-	1			-	-	- 1	-	-	=	-	-	1 -	1 =	-
Pentonville N.F	17506	6 3	8	1	1	-	-	-	-	1-	-	-	-	-	-	-	-	-
oid-street H City-road HHL Whiteerose-street	18628 3. 9217	21 8	1	-	3		-	-	-	-	-	-	-	-	1 -	1 -	-	-
Holborn Union Workhouse, Mitcham, w	-	-	-    -			-	-	-	-	-	-	-	-	-	-	-	1 -	-
St. Botolph H - N.R. & E. Cripplegate - N. R. & E. N. R. & E. N. R. & E. N. R. & E. R. R. & E. R. R. & E. R. R. & E. R. R. & E. R. R. & E. R. R. & E. R. R. & E. R. R. R. & E. R. R. R. R. R. & E. R. R. R. R. R. R. R. R. R. R. R. R. R.	R. 719	3 2	2	1 8					3				-	-	4	4	16	
St. Bride W -	K. 1866	6 4		1 -	-   -		-   -	-   -	-	-	-	-   -	-			1	=	-
Broad Street H N.	R.   565	2 1 1	- 11		1						1				1	1	1	1

Note.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse; H-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving immates from other Districts than that in which it stages see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. significal Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L., East London and K., the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sus-district sturday, the 26th October, 1889.

sturday, the 26th October, 1889.															_			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The Dratus registered in the Week include    Deaths of   Deaths from   Population																	
	_			Deat	hs of				1		s fron					1	0	72 50
REGISTRATION SUB-DISTRICTS.	Popu-	Total BIRTHE.	Total DEATHS.	Intants under 1 Year of Age.	Persons aged 6) Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fever	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Publi	Uncertified Cause of Death.
EAST DISTRICTS.  jolywell Shoreditch - N.R. & E.L. & Leonard Shoreditch + HL* - N.R. forton New Town w N.R. forton Old Town N.R. iaggerston WH N.R. & E.L.	7376 14967 29937 28036 46275	8 18 18 22 32	1 7 8 34 10	1 2 1 6 2	- 2 1 2 3	11111	+	1	- 1	11111	1	1111	11111		2 -	2	1 - 7	1111
Sethnal Green North WHL* - E.L. Sethnal Green South E.L. Sethnal Green East E.L.	51157 34399 4140 <i>5</i>	34 26 26	19 13 26	3 4	6 - 4	-	2 3	1 -	- 1	<u>i</u>					1 -	3 1 -	2 - 8	-
pitalfields E.L. & N.R. dile End New Town W - E.L. & N.R. Whitechapel Church H E.L. & N.R. 200dman's Fields E.L. lidgate - N.R. & E.L.	22585 15478 17490 9713 6102	18 26 15 8 5	8 13 13 - 2	8 3	3 5 - 1		- - 1	TELL I	. 1 . 1 .				1 1 1 1	1 -	ī -	3 -	6 10	1111
th George's North E.L. th John, St. George East W - E.L.	88747 8410	23 ,8	5 6	3 -	8	-	-	-	-	-	-	-	-	-	-	1 -	5	-
hadwell $HH$ $E.L. & N.R.$ tateliff $E.L.$ imehouse $E.L.$	10895 16107 82041	9 7 28	10 6 7	3 1 1	2	- - -	·	1	-	-		2 -		-	1 -	2 2 -	5	-
dile End Old Town West - E.L. dile End Old Town East WwwH- E.L.	87960 67653	25 52	16 33	3 6	10	-	ī	1 2	1	1 -		1.1	-	-	Ţ.	2 4	11	1 -
Sow L 'E.L. Sromley wwwH E.L. E.L.	37074 64359 55077	50 59	86 15	2 9 4	13 5	Ē	ī -	-	1	1			-	1	3	7 4	18	-
SOUTH DISTRICTS.  Christchurch Southwark WH L. & S. S. Saviour Southwark - S. S. Saviour Southwark - S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Frimity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	18663 14999 21381 15953 21318 26673 59555 21623	9 8 22 18 8 19 87 12	4 4 8 7 4 6 14 4	3 3 3 4 3 ~	1 - 4 1			-		1	1111111	1 2 -	111111		1 - 2 - 1	1 3 - 2 1	3 - 2 - 1 - 7	1
St. Olave WH S. & L.  Leather Market S. & L.  St. Mary Magdalen W S.  St. James Bermondsey - S.  Rotherhithe WH S. & K.	11956 16800 15669 54682 36024	18 14 46 28	8 4 31 11	3 - 2 3	2 2 1 8	-	1111	1 1 1 1	1		11111	1		-	1 2	1 8		1111
Waterloo-road 1st H -	15195 16351 19876 39859 45232 35332 62837 19017	5 21 16 53 56 29 23 13	5 16 16 17 12 20 2	2 4 7 5 1 2 1	2 - 8 2 6 7		111111	1	1 - 1 - 1 - 1 - 1 - 1	1 2 -	111111111	1 - 1	111111	1	3 - 1	3 - 1	9 4	1111111
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	54675 52587 36380 28004 13235 25553	52 50 28 21 9 19	21 18 8 6 2 10	5 4 1 1 - 2	4 5 3 4 2 6			1 1 1 1 1	1	2 1 -		1	11111	1	2 2	2 1 - 2	4	1 -
Dulwich I. & S. 2 I. Peckham W St. (Lo. & S. L. Lo. & S. (	5590 59104 71089 50810	2 47 68 44	3.5 1.5	5 8 6	- 8 6 2		1		1 1 -	1	1111	-			1 -	1	11 -	1111
St. Paul Deptford www 'K. St. Nicholas Deptford K. Greenwich West H K, Greenwich East WHH K,	76752 7901 21972 24608	63 1 16 22	28 - 3 21	7 - 1 3	6 - 1 8		1 -	2 - 2	2 -	1111	1 . 1 .	1111	1111	-	1 - 1 - 1	2 -	15	1 - 1
Eltham $H$ K. Lee $H$ K. Lewisham $WH$ K. Sydenham $H$ L.	5048 21559 19865 26076	2 9 9	1 5 5	- 1	1 3	21111			1111				-		1111	-	1	
Charlton H K. Woolwich Dockyard K. Woolwich Arsenal HH K. Plumstead, West H K. Plumstead, East W K.	10930 17617 19045 14009 19241	4 12 17 17 17 88	1 9 6 4 6	2 1 2 1	- 2 1 - 2		1111	1111	1 1 -	2 -			1 1 4 1 1	1111	11111	1 1 -	2	1 -
Hetropolitan Asylum Hospitals:  Dartford w	=		-	-						-	111	1111	111	7 - 1	=		=	-

be following WORKHOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the re Table by w:-

Stepney Workhouse in Bromley sub-district.

Pontar a Stepney Sica Asymm
Westmanster Unon industrial School in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.

Metropontan Asymm District Hosomatis in February. Hampstead, Hackney, Britton, and St. Paul, Deptford sub-districts, and in Dartford, ney, Britton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London. Marylebone Indrmary in Kensington Town sub-district.

Central London Sick Asylum in Tottennam Court-road sup-district.

Robborn Indrmary in Upper Hollowsy sub-district.

London City Workhouse in Bromley sub-district.

Whitechapel in Upper Hollowsy sub-district.

Whitechapel in Honorous New Town sub-district.

Mile End Old Town Exasters sub-dist.

James and Bromley sub-district.

Mile End Old Town Exasters sub-dist.

And Bromley sub-district.

Mile End Old Town Exasters sub-dist.

And Bromley sub-district.

Mile End Old Town Exasters sub-dist.

Asylum Westmuster Curon in Bromley sub-district.

Standard Asylum Camberwell sub-district Ham ney, Brixtontam Asylum District Hospitals in Propagation and Hollowing and St. Paul, Deption and St. Paul and Hollows and Paul and Hollows and Paul and Hollows and Paul and Hollows and Hollows and Paul and Hollows and Hollows and Paul and Hollows and Paul and Hollows and Hollows and Paul and Hollows and Hollows and Hollows and Paul and Hollows and Hollows and Hollows and Paul and Hollows and Hollows and Hollows and Paul and Hollows and Hollows and Hollows and Hollows and Paul and Hollows and Hollows and Hollows and Hollows and Hollows and Hollows and Hollows a

FABLE 6 .- LONDON .- OUTER RING. - Area; Population: Birris and Deaths registered during Week ending Saturday, 26th October, 1889.

	Week ending Saturday, 26th October, 1889.  The DEATHS registered in the Week include																
Parts								7	The D	EATES	registe	red in	the V	Veek i	nelude		
tration		in Acres,	Enume-			Dea	ths of			1	Deaths	from					
District and	REGISTRATION	inelu- ding	rated	HS.	HS.	7	80 ds.		1 .			agb.	1				ablic
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS	DEATHS	under of Age.	nged	ı		Fever.	ig.	Whooping-cough		å		Inquest Cases.	Deaths in Public
Num-		and Fore-	1881.	n	A .	nts t	ons s	Small-pox.	Measles.	let F	Diphtheria	opin	er.	Diarrhos.	Violence.	nest	ths i
hers.		shore.				Infants Year	Persons Years 8	Sma	Mea	Scarlet	Dipl	Who	Fever	Dia	Vio	buj	Des
IO	DON-OUTER RING	370,924	950,957	829	361	91	103	-	5	9	7	4	5	7	в	17	41
103		010,011	000,001							-				-			
80:1	Carshalton wL -	12228	21118	7	12	1	5	-	-	-	•	2	-	-	-	-	5
2	Epsom (part of) * 19wH	9971	10710	5	3	1				-	-						
37:1	Godstone (part of) * -	2754	1235	8	1	-	1				-	1		1	1.	1	5
38:1	Croydon WwEHI - Mitcham w†	20851 11697	101241	62 17	84	6 2	9	-	-	1 -	-	-	-,	1	-	-	-
39:1	Wimbledon HHH -	3220	15950	12	3	1	1	-	-	-	-	-	1	-	-	-	- 5
3	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	28	14	_	5	_	-	-	-	-		-		~	-
	Hampton H	4578	13589	8	5	1	1	-	, -	-	1	-	-		1	1	1
40:1	Richmond WH Mortlake	2272 2941	21302 12331	16	8	2	3	-	-	-	-		-	-	-		-
6:1	Bromley (pt. of) * HH	15889	31142	30	в	2	2	-	-	-	-	-	-	1	-	-	-
2 42;1	Chishrst(pt.of)* WHH Bexley H	14807 18487	15844 24184	6 22	6	2	4 3	-	-		-		-	1	_	1	_
2 2 3	Dartford (Ww, pts. of)*	10501	24101	1	6 2	-	2	-	-	-	-	-		-		-	2
124: 1	Sunbury 10	11055	11685 12089	3 10	1	-	1		-	-	- 1	-	-	-	-	-	
125:1	Staines W Hillingdon WHH -	13277	10802	18	2			_	-	-	1	_		-	-	-	1
2	Uxbridge	6178	5225	2	1	-	1		-	-	- :	3			-	-	1
126t 1	Hayes wHL	14587 7008	11528 22727	23	3	1 -	1 5	_		_	1.		-,	-		2	1
2	Twickenham H-	2477	12479	3	4.	-	3	-		-	-	-	-	-	1	3	1
8	Brentford HL	4345 1840	27649 15975	26 18	13	3 2	2 -	-	1 1	-,	- 1	-	-		-	1	-
5	Acton wH ~	6083	22376	25	8	1	3	-		-	- 4	-	-	-	~		-
127:1	Harrow H Edgware H	13809 6994	12796 3749	5 8	5	1 -	3 -	-	1 -	,	- 4	; <del>-</del>	-		-	-	- 7
3 4	Willesden	4383 8382	27453 10484	40 12	15 14	8	2 3	-	1	- 1	-	-	8	- '	-	2	5
137:1	Hendon W	9331	6621	2		-	-	-	-	-		-	-	_		-	-
2	Watford (W, pt. of) -	-		H	1	-	-	~ `	-	-	,	-	- '	-	-	-	1
128:1	South Mimms Barnet	15599 5433	6391	5	6	2	1		-	-	- 1			_	-	1	. 1
3	Finchiey HL	4688	17615	14	15	5	7	-	-	-	- !	-	-	1		-	7
135:1	Hatfield (part of) * -	3806	583 37078	-	-	1	- 1	-	-	1	ee !		_	-	_	1	
129:1	Hornsey $H$ Tottenham $H$	3089 4642	46456	29 6±	12	7	2	-	-	-	1	_	-	-,	-	-	-
3 4		7483 12653	23468 19104	13	9	1 4	2	-	-	-	1 ~	-	-	1	1	1	-
5	Waltham Abbey	11017	5383	8	1	-	1	-	-	-	-	-	-	-	-	-	-
186:1		8430	7735 38606	31	14	2 2	1 2		-	2	-1	_	-	1		-	
1 2	West Ham wwwwH\s-	7351	101053	116	51	16	8	-	-	3	1	1		-	2	3	-
8		4372 6520	32430 28869	43 33	14	8 5	3		3	1	1	-	1 -	-	17	-	1
187 : 1		11761	9639	8	2	-	1	-	-	-	-	-	-	-	-	-	-
189:		6730	3411	2	2		1	-	-	-	1	-	-	1	-	-	1
	Ilford	8498	7645	10	1	1	-	-	-	-	-	-	-	-	-	-	*7
	Barking Town	4127	9203	8	2	1 1	-	-	-	-	1 -	1 -	-	1 -	-	1 -	1 -

<sup>\*</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follo 80:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the parishes of Warlingham and Farley in Godstone district: 39:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromley sub-district, except the parishes of Cadanam Knockholt (pop. 1818); 41:2, Chislenters sub-district, except the parish of Chelsheld (pop. 947); 135:1, the parish of Norshaw in Hasub-district; 187:1, Chigwell sub-district, except the parish of Theyon Bois (pop. 875): 188:1, the parish of Dagannam in Romford sub-district in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

<sup>‡</sup> Exclusive of deaths of London residents in Struct Union Worknows and in Metropolitan Asylum Hospital, Winchmore Hill (see Table § Exclusive of deaths of London residents, in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

ABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 26th October, 1889.

			ANNUA	L RATE			The Ds	ATHS	regis	stered	l in t	he W	ee <b>k</b> i	nelud	8	
	Area in	Estimated	of Mor		DEATHS	Deat	hs of			1	Death	s from	n			ublio
GREATER LONDON.	Acres, including tidal water and foreshore.	Population, middle of 1889.	From	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Mensles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhea.	Violence.	Deaths in Pu Institution
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
ATER LONDON	448,334	5,642,015	15.5	1.6	1671	367	438	-	22	36	44	26	28	22	55	361
NNER LONDON - UTER RING -	77,410 370,924	4,351.738 1,290,277	15.7 14.6	1·7 1·5	1310 361	276 91	335 103	-	17 5	27 9	37 7	22	23	15 7	49 6	320 41

TE.—The area of Greater London is 448.334 acres; of which 4.892 acres are tidal water and foreshore. This area is equal 00.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,681,747 Persons.

COUTTA - 433,219					100		DE	ATHS	FROM I	PRINC	ES.	ZYMOI	_
September 7   778.196	Citins.	(enumerated or	OF RETURN.			RATE per 1000	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoal Diseases.
MBAY   778.196   1		400.010	Contombon 7		-		-	-	-			-	
DRAS - 398,777			17					3	2.	5	5		52†
##S 2,260,945 October 19 1125 867 19.9 - 0 2 25.8 8 13 67 USBELS - 471,606 " 10 212 146 16:1 - 1 - 1 1 3 14 14 16 16:1 - 1 - 1 1 3 14 14 16 16:1 - 1 1 1 3 14 14 16 16:1 - 1 1 1 3 14 14 15:1 15:1 15:1 15:1 15:1 15:1 15:								11	. 5	5	5	84	717
USBRLS - 1471,606				1125	867	19.9	-	9	2	25*	8	13	57
**STERDAM - 403,085			10		1	16.1	-"	1	~~	-	1	3	14
TTREDAM - 197,723		471,000	,,			ah.				a		1	
THERDAM - 153,440	STEEDAM -	403,083	,,		]			1	_	_			1
PHNHAGEN - 307,000	TTERDAM -	197,723			1		1	1		i	2	-	
Penhagen	HAGUR .	.153,440	, , a · 19						-				. 2
DOKHOLM   228,218	PENHAGEN -	307,000	,, 19	11			1	l l	1		2		17
Petersburg  842,883  "5  -  404  250  -  16  10  2  4  11  48  RLIN  1,489,672  "5  889  492  17:1 7  28  7  7  52  Amburg(State)  675,276  "12  430  259  23:5 1  9*  4 11  38  12  188LAU - 315,000  "19  198  128  121:5  190  131  24:2 2  7*  - 1  28  100  100  101  101  102  4 11  48  103  103  104  105  105  105  106  107  107  108  108  108  109  109  109  109  109	OCKHOLM -	228,218	"			1					2		2
Petersburg  842,883  "5   7   4044   25 0	BISTIANIA -	338,300	,, 19	67			-						49
RELIN	PETERSBURG	842,883	,, 5		404	25.0	-	16					
MBURG(State) 675.276	IRLIN	1 489 679	. 5	889	492	17:1	-	-	1				
**RBLAU 264.196			7.0	430	259	23.2	11	-	1				
The color   The		1	10	154	109		5	-	1 -	1			_
UNICH - 281,000	RESLAU	315,000	,, 19	198			-	-	4	-	1		
ENNA - 811.434	UNICH	281,000	12	190	1			ž.	-		-		
Carrell   Carr	BNNA	811,434		11			11		1		يند		2
DA-PRETH   453,907	LAGUE	304,356	. "	1			2			1	1		. 23
New York   1,571.300   1,571	JDA-PESTH -	452,907	. "	11	1	1	l ,	-					4
DRE   -	RIESTE	158,084	, 12	-		1		ł				101	26
URIN (10 days)- RNICE   306.398   September 20   234   157   74   65   22 0   12   -   -   -   -   -   -   -   -   -	OME	407,936	August 31	11	1	4	2	1	-	1 7	. 2		35
ENICE - 154 369 {	URIN (10 days)	306.398						-	-	-	-	$\frac{\tilde{2}}{2}$	11
LIRO - 374,838	ENICE	154 369 {	10			29.7	30	1	-			10	
CEXANDRIA - 231,396 ", 3 173 166 374	AIRO	374,938	3	443	1		-		-	2.55		-	52
ROOKLYS - 1,571.300 " 5 - 605 20-1 - 2 - 10 4 4 10 8 1 1 1 2 2 1 1 4 8	LEXANDRIA -	231,396	,, 3	173	166	37.4	-	-	1				انت
ROOKLYS - 834,607 " 5 - 296 18.3 - 1 1 2 2 14 8	BW YORK	1.571.300	,, 5		605	20.1	-	1	5	1	1 .		
330 16-6 - 1 1 2 2 19		1 1	K	-	296		1]		-	1			10
HILADELPHIA • 1,040,220 "	HILADELPHIA .	1	,, 5	-	330	1)	11	1		-	2		11
ALTIMORE - 500,343 ,, 5 - 131 13'7 - 1 2 - 4 11			,, 5	-	131	13.7	-	-	1	2		3	11

Including deaths from croup.
 Including 5 and,9 deaths respectively from cholera in Bombay, and 4 in Madras.
 Including 15 deaths from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OSSERVATORY, GREENWICH, during the Week ending Saturday, October 26rm, 1889. [Under the Superintendence of the Astronomer Royal.]

									1	lete	rolo	gic	al Ob	servatio	ons.							
	THE TO SHELD	Ozone.		8.0	4.0	0.0	0.0	0.0	0.0	8.8	61 61	27	a; no	r, and	o air luced	aphie	" and	below, and	The ; and	work,	.04 in.	70 111.
Rain	in a Gauge	whose	surface is 5 inches above the Ground.	in. 0.76	0.56	00.0	0.03	60.0	00.0	0.00	Sum 1.07	26	vel of the sea; no	momete n a disci aromete mean re	the max to of the are der	photogratal move	ST5.	vo feet   Deptford	cometer.	rument	eek to 29	SOC NO SO
			Departure from Average of 16 Years.	Miles.	-170	-202	-160	-123	-100	+163	Sum -637	25	n level o	ulb ther seed from or the borrected	templerature of the air femberature of the air of humidity are deduced are by this hot of the second of the this hot of the second of the tenton of the second of the tenton of the second of the seco	n of the horizon	ending l	th of tv rket at I istructio	g Electrierate; s	ine Inst	of the we	d'uncer car
, c		Robinson's,	Horizontal Movement of the Air on each Day.	Miles.	98	99	109	146	170	484	Sum 1245	2.4	re the mea	the wet by tions deduced 1873 f	or the read lue of ter egree of h	discussion di that of	that + inc	data dep Cattle Man	f-registerin s; m. mod	kes Sunsh	beginning	C Goult 9 cent
momete		the t.	Mean of 24 hourly obs.	lbs.	0.0	0.0	0.0	0.0	0.0	6.0	:	23	et abo	er, and corrected sars en ters.	mean illy va and d	from 8	mind	spende oreign farket	n's sel	ell-Sto	at the	Le Old eg
om Ane		Pressure on the	Least.	lbs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	22	s 159 fe	momet tion of enty y	rected ean da rature et bul	erived	records orne in	are su	homso tive; v	Campbe cli day	9.14 in	Title I on
duced fr		Press	Great.	1bs. 2.5	6.0	0.0	0.0	9.0	0.2	1.9		21	neter is s to rec	b ther application the two	the meter	that d	l be be	hames ies of erk of	rom T	n the	from 2	CO - 177 1
Wind as deduced from Anemometers.	Osler's.	Direction.	P.M.	S. S.E. &	NNE.	Calm & NE.	NNW.	N. & NNE.	NNE. & NE.	E. & ENE.	回	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; correction has been applied to the readings to reduce to sea level.  Observed to the readings to reduce the sea level.	Conservations are transmission and the dry builb thermometer, and the wee builb thermometer, and the cope deduced from a disability of the baronicler, the dry builb thermometer, and the wee builb thermometer, and converted into mean daily values by the application of corrections deduced from a disability of the photographic records made during the twenty years ending 1878 for the baronicar, and during the twenty years ending 1888 for the thermometers. With the coprected mean reading	of the dry built hermometer is combined the Corrocted made at the returnists of the maximum and minimum thermometers, forming the mean daily value of temperature of the air and minimum thermometers, forming the mean daily value of temperature of the air feedings, from the comparature and degree of humidity are defluced from the mean distributed that the mean the properties of the dry and was faith the meaningless by Admissione's Hermon.	metrical Tables.  The average temperature of the air is that derived from a discussion of the photographic records, made at Greenwich during the 20 years ending 1895, and that of horizontal movement.	of the arr from a discussion of the anemometric records for the 15 years ending 1875.  In reading the columns 9 and 25 it will be borne in mind that + indicates "higher,"  "Annew" than the average.	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Cierk of the Market, under instructions from the commenciant of London.	The record of Electricity is derived from Thomson's self-registering Electrometer. The record of Electrometer, who weak; in moderate; s. strong; and v. variable on the control of the con	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the agreemed duration of bright sunshine on each day. The green is of all the meteorological observations are to be understood as analysing to the	for reading of the midnight to midnight.  The reading of the week to 20 14 in. at the beginning of the week to 20 14 in. at the beginning of the week to 20 14 in. at the office of the week to 20 14 in. at the office of the week to 20 14 in.	to go or nosta
		General Direction.	A.M.	SE. & SSE.	E. & NE.	NNE. & NE.	NE. & N.	Ä	N. & NNE.	N E	NNE	19	the cistern	the barometer the barometer mean daily valuic records in thy years endi	thermometer thermometer te mean dail	emperature c Greenwich d	the air from a discussion of In reading the columns 9 a	The thermometers in the with the surface, at the end of on their readings are registered.	f Electricity	in column 29 uration of br	civil day, or from midnight to midnight. The reading of the hurometer decreased	ne week.
TURE.	Water	tford.	Low-	• :	:	:		:	:	:	:	18	ght of	ngs of the into notes that into notes that is the into note the into notes the into notes the into notes the into notes the into notes the into notes the into notes the into notes the into notes the into notes the into notes the into notes the in	num mum 3). Th	metrical Tables. The average te	from a	rmomore, at t	cord o enployer.	mbers grate d	or fro	M. Of th
TEMPERATURE.	Of the	at Deptford.	High.	• :	:	:	2 1	:	:	:	:	17	he hei	readir verted he pho	the dry	trical The ave	n read	The the	The reco	The nu	ril day,	the en
SMPER	1		Lowest on the Grass.	36.5	6.89	31.5	9.98	32.5	30.0	37.0	0.48	16	Cor			H 5	то I			£	civ	by
II	l.	Radiation.	High- est in Sun's Rays.	. 88.1	0.94	83.0	65.1	21.0	6.101	80.2	8.08	15		partially frequent	eloudy after- n. Slight fog	overeast at night.	ent rair	ill after of cloud	4h. A. n variab]	rnoon.		
	Degree of Hu-	(Satu-	ration equals 100).	99	66	96	94	94	9.5	750	94	14	vi.	ning; e with	oon. S	ಇ	Gloomy with frequent rain	reast t	etween s, with	Bleak wind from afternoon.		
ween	rature	re.	Least.	0.0	0.0	0.0	0.0	1.0	0.0	2.4	9.0	13	MARE	in mor variable evenin	enerally elo afternoon.	early morning; generally comy in afternoon; loggy t 8h. P.M.	ny with	ng; overiable an	se fog b terward	wind fro		
ence bet	the Air Temperature and Dew Point	nperatu	Great-	0.8	4.8	8.9	5.4	6.5	11.4	8.6	7.4	12	IL RE	y rain rnoon; ning in	uing; g	morning aftern M.		morni with va	g; den	Bleak		
Difference between TEM	the Air	Ter	Mean daily value.	0.5	0.5	1.1	1.1	1.1	2.5	4.5	1.1	F	GENERAL REMARKS	h heavin arte	y mori	in early ; gloomy in about 8h. P.	ughout.	n early	mornir enerally	srally.		
	Of the Dew	Point.	Mean daily value.	0.44	46.6	46.8	8:24	44.5	42.5	42.7	45.1	10	GI	art wit ind fine erwards	in earl	ole in	Overcast throughout, afternoon,	Slight rain in early morning; overeast till after- oon; fine afterwards with variable amounts of cloud,	Fine in early morning; dense fog between 4h. A.M. and 7h. A.M.; generally fine alterwards, with variable mounts of cloud	Overcast generally.		
RE.			De- parture from verage of	0 50	9.8 -	- 2.5	61	- 3.5	1.4-	- 1.6	0.8 -	6		Overcat with heavy rain in morning; cloudy and fine in Attendancy, variable with rain afterwards. Lightung in evening.	Fine in early morning; generally wards, with frequent rain tall, afternoon at night.	Variable in early me afterwards; gloomy in Ilightning about 8h. F.M.	Overcast the	Slight noon; fi	Fine i	Overc		
TEMPERATURE	ir.		Mean daily value.	47.2	8.95	G.25	47.5	46.5	41.4	47.2	46.7	00	Registered Sun above Sunshine, Horizon, in hours.	10.3	10.3	2.01	2.01	10.1	0.01	0.01	Sum 71.17	08.
TEMP	Of the Air		Dally Range.	13.0	9.11	13.0	2.5	10.3	18.8	10.4	12.5	7	red Sur ne, H									10
			Low- est.	43.7	42.1	42.1	43.5	41.3	6.18	42.4	41.5	.9	Registe Sunshi in hou	1.9	0.0	0.0	0.0	1.0	5.4	5.0	Sum 8.1	6
			High-	56.7	53.7	55.1	2.19	9.19	53.7	53.1	58.7	10	f. n of te.)	nsu;a-	ect've B. P.		nt .	morning;	morning;	•		-
BARO-	Mean	reading (cor-	rected and re- duced to 320 Fahren- heit).	in. 29.074	29.172	29.250	29.539	59.880	30.051	29.913	29.550	7	ELECTRICITY. (For explanation of symbols, see Note.)	ord; is	ion def P.M.;		P. throughout	w P. in mor P. afterwards.	in mor	m, P. generally		86
1	Phases			. :	:	:	Eguatory	New.	:	:	:	3	FUE (For ex	No record; insu'a- tion defective.	Insulation defective till 4h. P.M.; s. P. aterwards.	v. P. generally	m. P. t	w P. i	s. P. in mon v P. afterwards.	m. P. g		
			AMD	gR.	21	67	23	77	25	26	•			06	. 21	. 22	23	- 24	. 25	. 26	-	1
	1889.		Монти амр	SUN.	Mon.	TURS	WBD.	THUBS	FRI	SAT.	MEANS	No. of Col.	DATE.	25 27 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	M. PDAT	Presoar .	APPEEDAY	TRUBADAT.	FRIDAY .	SATURDAY		The of Col

### OFFICIAL COPY.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

AND IN

# TWENTY-SEVEN OTHER GREAT TOWNS:

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 44. 1889. Vol. L.

WEEK ENDING SATURDAY, NOVEMBER 2.

General Register Office, Somerset House, 4th November, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.5 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several town, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending					Weeks	ending	5
Towns.	Oct. 12.	Oct. 19.	Oct. 26.	Nov. 2.	Towns.		Oct. 12.	Oct. 19.	Oct. 26.	Nov.
Birkenhead		15.8		-00	Liverpool -				20.6	
Birmingham	16.2	17.1	17.0	15.8	London -		15.8	16.9	15.7	15.8
Blackburn -	20.7	22.4	22.8	25.0	Manchester				24.0	
Bolton -	17.3	19.1	19.1	18.7	Newcastle-on-Tyn	e*	25.6	26.3	27.6	28.2
Bradford* -	16.4	20.6	17.1	18.0	Norwich -	ы	16.0	18.2	10.5	17.1
Brighton -	16.3	14.6	19.3	11.6	Nottingham	-	14.3	14.5	18.2	14.7
Bristol -	12.3	20.7	14.1	15.5	Oldham -	-	16.5	17.6	21.6	14.3
Cardiff* -	9.3	14.8	13.9	13.9	Plymouth -	-	32.7	31.4	28.0	22.0
Derby -	13.8	13.2	11.7	16.4	Portsmouth	-	15.5	15.9	11.8	15.1
Halifax -	21.9	22.5	23.2	22.5	Preston -		28.0	34.1	29.0	32.0
Huddersfield	16.9	22.5	18.0	15.7	Salford* -	-	16.0	16.3	13.6	16.9
Hull	20.6	25.1	20.3	22.3	Sheffield -	-	18.3	21.4	18.8	19.9
Leeds -	24.8	24.2	19.9	18.8	Sunderland	-	27.6	23.7	22.9	22.2
Leicester* -	14.9	13.5	15.9	14.6	Wolverhampton	-	15.2	19.0	22.8	21.5

The highest annual death-rates, measured by last week's mortality, were:-from measles, 1.1 in Norwich, 1.9 in Newcastle-upon-Tyne, and 3.1 in Sunderland; from scarlet fever, 1.4 in Liverpool, 1.7 in Blackburn, 1.8 in Salford, and 5.3 in Plymouth; from whooping-cough, 1·1 in Portsmouth; from "fever," 2·0 in Preston; and from diarrhæa, 1·1 in Derby, 1·4 in Bolton, and 1·5 in Preston. The 51 deaths from diphtheria in the twenty-eight towns included 31 in London, 6 in Manchester, and 2 in Portsmouth and in Liverpool. No death from small-pox was registered in any of the twenty-eight towns.

### LONDON.

In London 2623 births and 1317 deaths were registered. Allowing for increase of population, the births were 267, and the deaths 348, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 15.8, 16.9, and 15.7 in the three preceding weeks, was last week 15.8. During the first five weeks of the current quarter the death-rate averaged 16.2 per 1000, and was 2.9 below the mean rate in the corresponding periods of the ten years 1879-88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated,

The 1317 deaths included 22 from measles, 20 from scarlet fever, 31 from diphtheria, 21 from whooping-cough, 19 from enteric fever, 17 from diarrhea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever or cholera; thus, 130 deaths were referred to these diseases, being 78 below the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 5. The fatal cases of measles, which had been 23 and 17 in the two preceding weeks, rose again last week to 22, but were 20 below the corrected average; 3 belonged to Fulham, 2 to Marylebone, 2 to Pancras, 2 to Islington, 2 to Clerkenwell, 2 to St. Luke, and 2 to St. George-in-the-East sanitary areas. The fatal cases of scarlet fever, which had been 15, 25, and 27 in the three previous weeks, declined again last week to 20, and were 37 below the corrected average; 2 belonged to Westminster, 2 to Islington, 2 to Hackney, 2 to Mile End Old Town, and 2 to Greenwich sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1500 scarlet fever patients on Saturday last, against numbers increasing in the eighteen preceding weeks from 559 to 1450; 135 cases were admitted to these hospitals during the week, against 188 and 182 in the two previous weeks. The deaths from diphtheria, which had been 41 and 37 in the two preceding weeks, further declined last week to 31, but exceeded the corrected average by 12; 2 belonged to Kensington, 2 to Pancras, 3 to Islington, 3 to Shoreditch, 2 to Bethnal Green, 2 to Stepuey, 2 to Mile End Old Town, 2 to Poplar, 2 to Newington, and 2 to Lambeth sanitary areas. The deaths attributed to diarrhaa and dysentery, which had declined in the five preceding weeks from 80 to 15, rose again last week to 17, but were 10 below the corrected average.

The deaths referred to enteric fever, which had been 11 and 21 in the two preceding weeks, declined again last week to 19 (including 2 hospital cases admitted from Hendon and 1 from South Acton, both in the Outer Ring), and were 9 below the corrected average; 2 belonged to Hammersmith, 3 to Islington, and 3 to Poplar sanitary areas. The Metropolitan Asylum Hospitals contained 103 cases of enteric fever and 6 of typhus on Saturday last; 15 cases of enteric fever were admitted during the week, against 11 and 17 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 300 and 281 in the two preceding weeks, rose again last week to 300, but were 117

below the corrected average.

Different forms of violence caused 59 deaths, concerning all but 3 of which inquests were held. Of these 59 deaths, 7 were cases of suicide, and 2 of murder or manslaughter, while the remaining 50 were attributed to accident or negligence. One of these was caused by an omnibus in the street, 5 by burns or scalds, 4 by drowning, 2 by poison, and 15 (including 14 of infants under one year of age) by suffocation.

# GREATER LONDON.

In Greater London 3503 births and 1647 deaths were registered, corresponding to annual rates of 32.4 and 15.2 per 1000 of the estimated population. In the Outer Ring 10 deaths from diphtheria, 8 from scarlet fever, 7 from measles, 7 from whooping-cough, and 5 from "fever," were registered. The fatal cases of diphtheria included 2 in Hillingdon and 2 in Tottenham sub-districts; and 2 deaths from scarlet fever occurred in Bexley sub-district. Of the 7 deaths from measles 3 occurred in Walthamstow and 2 in West Ham sub-districts. Whooping-cough caused 3 deaths in Mitcham and 2 in Croydon sub-districts; and two deaths were referred to "fever" in West Ham sub-district.

## METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.66 ins.; the highest reading was 29.84 ins. on Thursday afternoon, and the lowest 29.44 ins. on Friday morning. The mean temperature of the air was 47°3, and 0°3 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Tuesday, Wednesday, and Friday, but was below the average on each of the other days of the week. The general direction of the wind was S.W., and the horizontal movement of the air averaged 12°3 miles per hour, which was 0°8 of a mile above the average in the corresponding weeks of 16 years. Rain fell on four days of the week, to the aggregate amount of 0.78 of an inch. The duration of registered bright sunshine in the week was 23.1 hours, against 21.2 hours at Glynde Place, Lewes.

· See note on first page of this Return.

									7276					_															_				
		CITIES	AND BOROUGHS,	Cols.	- 28 TOWNS.	London. Brighton.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPTON.	LETCESTED .	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	POLTON.	MANCHESTER.	SALFORD.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIPAX.	BRADFORD.	SHERRIED.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIER.			DUBLIN.	91	
	ALL.	1.	In Centi-	24.	1.90	1.98	1 1	1.70	2.13	2	1 1	1.60	t	1	1.93	1	1		1	1	3		1.85	1 1	1.68	1	1.14	1		66.0	1.05		
	RAINFALL		In Inobes.	23.	0.75	06.0	1 1	19.0	0.84	3	1 1	0.63	1	1	94.0	1	•			ŧ	1	,	0.73	1	99.0	3 1	CF.0	1		0.30	0.40		
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OF THE	1	Me	·tiednerds'4	21.	46.6	47.8	1 1	48.1	47.1	0.04	1 1	45.4	ł	1	46.1		1	1	1 1	1	1	ı	8.27	1	45.5		47.3	,		6.44	6.47	e H	
ATURE	=	.Ja	heit Lowe	20.	35.9	38.4	1 1	40.0	40.0	8.00	1	37.5	1	1	42.2	1	1	1	1 1		1	1	41.5	ı	0.88	3 1	41.0	1		34.5	30.8	0 40	
TEMPERATURE OF THE AIR.	-	.188	Fahrenheit Lowe	19.	28.0	6.49	1 1	0.89	0.49	0.40	1 1	55.3	1	1	22.8	3	1	1	1 2	ı	1		53.7	ŧ	1 00	9 1	0.19	1		6.19	56°3	3	
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Annual Rate	corresponding	Veek'sD	IlA moral Causes.	17.	17.5	11.6	15.1	0.23	15.5	9.17	15.8	14.7	16.4	15.3	8.0%	18.1	8.75	6.91	14.8	32.0	15.7	22.2	18.0	18.8	19.9	6.66	28.5	13.6		17.2	23.8	21.0	
-	),d.	189	dittesanU Tio sesus	16.	84	<b>=</b> -	1 1	1	67 6	17	9 0	<b>3</b> 1	1	1	14	ı	10	41 (	23 4	4	က	03	23	63	4 n	3 6	3 01	7		31	123	F 72	
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in th		rom	Whooping-	10.	55	12	00	1 -	00	Н	6.1		1 1	1	20	C4	63	-	- ·	٠ ،	1	1	1	4	-	27 r	٦ ٥	3 1		60	10	1	ı
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	d I		Small-pox.	6.	t	1 1	1	1	1	1	1	1	ı	1 1	1	1	- 1	1	4	1	1	1 1		1 1	1	1	1	1	1	1	1	1	١
		the of	Persons aged of the constant o	5.	653	309	တတ	10	19	9	.97	00 }	15	9	4	7	86	C II	20	00	6 1	30 0	7 7	27	22	14	20	13	<del></del>	17	500	42	Contractor
		Death	nfants under l Year of Age.	4	852	323	တ္	10	11	10	47	14	15	တ ငှ	7 1	12	9	2 4 5	4	21	22	0 0	0 9	97 08	88	34	17	24	12	177	89	39	
	uring	Suipe		60	3202	1317	27	31	33 33 33 33	34	138	42	29	31	000	47	4 00	162	6.00	58	64	28	GO 1	180	125	68	57	87	30	00	241	185	
TABLE 4. TABLE	Registered during	the Week ending	2nd Nov., 1889. BIRTHS, DEATH	23	5783		25 S2	22	48	25	284	93	126	£ 8	89.00	556	3	745	72	62	83	45	12	187	230	173	888	126	00 113	190	366	164	
1	Reg		1 23	- -	-		F &	0	10 h	4 4	10	0	2	63	<b>=</b>	70.5	2 9	8 %	200	12	94	25	08	920	27	17	93	88	12	-	3 4	85	
		POPULATION	to the middle of the Year 1889.	-	0 888 406	4,351,738	121,807	94,510	78,225	82,544	454.885	150,520	237,812	98,529	102,541	414 670	0,0,517	378,800	142,405	121,275	104,194	92,825	81,080	235,056	327.227	208,017	184,193	160,988	112,712	000 000	528.144	363,082	
		Pc	0 H	- lalon	-!				•	NON		٠	٠		٠		•			٠	٠	. 0	•	•	•	٠	•	•	•	1		•	
			CITIES AND BORUGHS.	0,0		28 TOWNS	BRIGHTON	PORTSMOUTH	PLYMOUTH .	RRISTOL	W OLY MAN AND W	BIRMINGHAM	NOTTINGHAM	DERBY .	BIRKENHEAD	LIVERPOOL .	BOLTON .	MANCHEBIER	SALFORD.	BLACKBURN -	PRESTON .	HUDDERSFIELD	HALIFAX .	BRADFORD	LEEDS .	H ULL		NEWCASTLE*-	CARDIFF		EDINBURGH .	DUBLIN .	

Table 2. LONDON.—Births and Deaths Registered in the FORTY-FOURTH Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births Males Females	2698	2706	2618	2896	2623	2745	2695	2556	2593	2373	2890·1	2623
	1370	1338	1347	1441	1310	1383	1410	1322	1301	1204	1464·1	1316
	1828	1368	1271	1455	1813	1362	1285	1234	1292	1169	1426·0	1307
Total Deaths  Males Females .	1501	1513	1645	1502	1440	1503	1483	1332	1735	1613	1664·8	1317
	768	768	849	762	720	789	743	686	896	820	850·7	673
	733	745	796	740	720	714	740	646	839	793	814·1	644

The numbers in this column are the average weekly numbers in the forty-fourth weeks of the ten years 1879-88, raised by 9 046 per cent. for increase of population.

TABLE 3. LONDON.-BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS

				,	anu .	THE STATE OF THE S	OMOLI	701 11	1 the	Last	THIR	TEEN	WEE	48.
		Aug. 10.	Aug. 17.	Aug. 24.	Aug.	Sept.	Sept.	Sept.	Sept. 28.	Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.	Nov.
TOTAL Births	-	2180	2715	2358	2425	2373	2432	2344	2504	2364	2595	2518	2580	2623
TOTAL Deaths		1366	1382	1240	1263	1170	1236	1267	1361	1381	1321	1410	1310	1317
Ages at Death Death 0—20 years 20—40 ,, 40—60 ,, 60—80 ,, at 80 years &	-	739 139 222 216 50	727 160 202 235 58	628 140 197 223 52	569 172 235 240 47	535 151 219 216 49	583 164 207 233 49	599 157 248 216 47	644 186 244 245 42	630 201 230 261 59	581 187 227 263 63	590 209 274 272 65	562 163 250 283 52	599 200 209 253 56
yy {Under 1 yea 1-5 5-20	r -	468 195 76	447 195 85	387 163 78	331 156 82	306 141 88	313 204 66	332 182 85	386 165 93	376 172 82	321 175 85	320 187 83	276 200 86	323 212 64
Deaths from Small-pox " , Measles " , Scarlet fe " , Diphtheri " , Whooping " , Typhus " , Enteric fe " , SimpleCo " , Diarrhea " Dysent " , Cholera " , all the sementioned Di " , Dis. of Re	ver - ntd fever and } ery -}	175 4 266	18 13 36 17 - 8 - 158 4 254	9 16 37 20 -1 109 2 204	12 17 32 21 12 - 78 1	9 18 30 28 1 21 1 68 3	10 17 41 18 - 19 2 68 -	3 25 44 26 - 11 1 73 1	7 22 44 23 2 19 1 80 -	9 20 45 14 - 19 2 52 1	18 15 35 14 1 16 - 28 -	29 25 41 26 1 11 2 22 -	17 27 87 22 1 21 1 15 -	22 50 31 21 - 19 - 17 -
tory S ,, ,, Phthisis ,, ,, Dis. of Ci	ystem ∫	149 128 93	162 185 111	115 139 104	148 149 93	142 134 95	152 137 102	142 157 110	189 146 112	225 148 123	264 129 127	300 184 115	281 141 115	300 125 104
Violent Deaths - Inquest Cases - Deaths in Public Instit	utions	65 114 320	49 108 319	56 93 279	51 93 335	47 86 327	49 101 316	54 96 324	62 119 335	62 119 335	50 99 314	57 112 332	49 101 319	59 123 309
TEMPERATURE OF THE Mean of Highest rea Mean of Lowest read	dings -	60.4 72.8 52.0	59·3 69·7 52·5	57·8 68·1 51·1	60·2 73·0 48·5	60.5 69.1 55.2	63·0 74·6 53·8	51·1 62·2 41·6	50·6 58·9 42·9	48·9 56·7 43·8	49·8 58·4 42·6	49·4 57·8 41·6	46·7 53·7 41·5	47·3 54·0 41·4
Humidity of the Air Rain-fall in inches		80	82 0·19	80 0·98	74 0·co	88 0·54	76 0·00	74	80 0·85	89	82 0·57	88 0·70	94	88 0·78
Registered Sunshine (in	hours)	46.0	26.8	26.2	53.9	22.6	43.4	40.2	17.4	10.0	31 · 1	17.3	8.1	23.1

# METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plynouth: R. C. Cann Lippincott, Esq., Bristol; E. Sampson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Notting-R.G.S., F.R.Met.Soc, Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., M.R.C.S., Preston; J. McLantisborough, Esq., Sunderland; and Wm. Lyall, Esq. Newcastle-on-Tyne.

Table 4. LONDON. - Deaths Registered at several groups of Ages from different Causes in the Forty-Fourth Week of the Year 1889.

				FO	RTY	-FC	UR	гн	we	ek of the Year 1889.									
	for the	Sa	turd	the ay, 21	ad N	oven	aber	1889.			for the	Sa	turd	n the	id N	oven	aber	1883.	
	e 10		De	aths th	of Po	erson 1885	18 of			,	Averages for the solution of the solution of the solution of 1879-88.*		Da	aths th	of Pe	r501 (68	as of		
	Averages eks of the 10 1879-88.		U	nder		40.	.09	80.	auu	CAUSES OF DEATH.	of th		U	nder		40.	60.	60.	Bud
CAUSES OF DEATH.	eeks 187	ES.		20.		under	under 60	under			eeks 18	AGES.	٠.	20.		under	under	uniter	
	to t	AGES			.n.	and u		and u	Years		Corrected 44th Wea				20.	and u	and u	and u	Yearo
	Corre 44th	ALL	0-1.	1-5.	5-20	20 8	t0 and	वंग व	n n		Cor	ALL	0	1-6.	-0	20.8	40.8	96 8	ð.
ALL CAUSES	1664.8	1317	323	212	64	200	209	253	56	D					1		}		
			1	-	-		_	_		Diseases of Organs of Special Sense †}	3.3	3	_	2	1	_	-	-	_
Small- Vaccinated; - Unvaccinate l	} 5.0		-	-	-	-	-	-	~	Diseases of Circulatory \	118.9	104	1	1	4	15	30	42	11
No Statement	1	-	-	~	-	-	-	-	-	System s			-	_		_	-		
Measles	41'8	22	2	18	2	-	-	-	-	Croup	15.5	8	-	6	2	-	-	-	
Scarlet Fever	1.2	20	1	14	5	-		-		Bronchitis	253.0	177 89	62 18	35	3 4	9	8	53	8
Typhus	0.0			-	-		-	_	_	Pleurisy Other Diseases of Respi-	5 9	5	-	-	-	3	4	2	-
Relapsing Fever †	0.5	-	-	-	-	-	-	-	-	ratory System}	34.7	21	9	6	1		*	1	
Whooping-cough	27.3	21	7	13	1	-	-	-	-	Dantition t	11.1	3	2	1	-		-	_	_
Diphtheria	19.2	81	3	19	5	3	-	1	-	Dentition † Quinsy, Sore Throat † - Enteritis	2.4	2 9		2	-	2	-	2	-
Simple Continued and \ Ill-defined Fever - \	2.3	-	-	-	-	-	-	-	-	Peritonitis	8·4 5·8	4	4	-	ī	3 7	-	-	1
Enteric Fever	27.5	19	-	2	3	13	1	-	-	Diseases of Liver Other Diseases of \	31.6	23	8	1	-	7 2	8 5	6	1
Cholera	0.4	-	-	-	- }		-	-	ŀ	Digestive System -}	26.9	42	0	1	1	-		U	1
Diarrhea, Dysentery -	26.2	17	10	4	-	1		1	1	Discourse of Franchista						-	-		
Remittent Fevert	0.2		-							Diseases of Lymphatic System & of Ductless	2.6	2	-	1	-	1	-	-	-
Hydrophobia Glanders	0.0	-	-		_				H	Glands †)		-							_
Cowpox and Effects of )	0°5	1	1		-					Diseases of Urinary	4010	3)			3	12	14	10	
Vaccination † 5	10.0	13	11	1						System}	40.6	1 33	-		٥	12	11	10	
Venereal Affections -	7.9	7	1	i.	1	2	1	1	1									-	-
Erysipelas Pyæmia and Septicæmia t	010	4	-	-	1	2	1	-	-	Diseases of Generative	5 5	9	-	-	-	3	1	5	-
Puerperal Fever	8.1	5	-		-	5	, -	-	-	Accidents of Childbirth -	4.1	4	-	-		3	1	_	-
Other Zymotic Diseases	1.5	-	-	-	-		-	-	-				1						
The state of the s	2.2	1	1							Diseases of Locomotive System † }	9,3	7	-	1	8	1	1	1	-
Thrush		1	1	-	-	-	_	-	-				1						
Worms and other Para- sitical Diseases	0.4	_	-		-	-	-	_	_	Diseases of Integumen- } tary System }	5.3	4	2	-	-	-	-	1	1
Character TTF4			1								-		-	-	-	-	-		
Starvation, Want of Breast-milk † }	1'4	1	-	-	-		-	1	-	VIOLENT DEATHS.§									
Alcoholism	5.7	3	-	-	_	3	-	_	-	(Accident.)									
Rheumatic Fever,	11.6	7	-	-	2	3	2		-	Fracture and Contusion Gunshot Wound	18.7	21	-	3	2 -	2	7	7	-
Rheumatism of Heart	1.3				-		1		_	II Cut. Stab ·	0.2	5	-	3	2	-	-	-	-
Rheumatism †	3.2	5	-	-	_		8	2	-	Burn and Scald Poison	1.2	2 4	-		-	1 3	1	-	-
Rickets †	2.3	1	-	1	-	-	1	-	-	Drowning Suffocation	12·2	15	14	-	-	ī	i	-	-
Cancer	51.1	62	-	1	-	6	29	23	3	Otherwise	2.8	3	2			1	_	_	
Tabes Mesenterica -	28'1	21	14	5	1	1	-	-	-										
Tubercular Meningitis -	180.0	16 125	2	10	8	1	12	-	-	(HOMICIDE.)	2.3	2	1	-	-	-	1	-	-
Phthisis Scrofula, Tuberculosis -		125	1 3		8	65	45	6	-	Murder & Manslaughter			1	-	-	-	-	_	
Other Constitutional		12			2	2	3	4	1	(90,0105)									
Diseases †		- 1-				-	-			(Suicide.) Gunshot Wound	1.0	-	-	-	-	-	-	-	
Premature Birth	34.7	34	34		1	1_	1	-	-	Cut, Stab	0.5	3	-	-	-	3		-	-
Atelectaris +	1.8	2	2		1 .	-	-	-	-	Drowning		4	-	-	1 -	2	1	1 -	-
Congenital Malforma-	3 6.0	8	7	1	-	-	-	-	-	Otherwise	1.3	-	-	-	-	-	-	-	-
tions Old Age	,	41			-	-	1_	23	18							-	1		-
		-		1		-	-	-	-	(EXECUTION.)			1					-	
Apoplexy	44.8	39			-	5				Hanging	0.0	-	1-	-	-	-	-	-	-
Epilepsy	- 6.3	6	_		-	2	1	1		-		1	1						
Convulsions - Other Diseases of Brain	- 4314	38			-				-	OTHER CAUSES t -	- 68.9	63	56	4	-	1	2	-	-
and Nervous System	81.2	64	1	3   11	3	5	15	21	1	1		1	1	1	]	1	1	1	
		-		-	-		-	-	-	on many term of many law 9			-		. 6				

<sup>\*</sup> The numbers in this column are the average weekly Deaths for the ten years 1879-88, caused by 9°94; per cent, for increase of population.

† As the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

‡ Those cases of small-pox only are returned as "vaccinated" or as "univaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not corrided by a registered practitioner, the case is returned under the heading "no statement."

‡ The ovidence as inquests is often must discent to enable, the Coronar to certify whether a violent tenth be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON.—FORMLATION; BIRTHS; DEATHS from ALL CAUSES, and from SWALL-POX, MEASLES, SCARL ET

									_	_			aur	ing	ine \	Weel	k en	ding
							The	DE/	ATRS	regist	ered	in the	Wee	kin	lude			
	Enume-			Deat	hs of					Deat	hs fr	0 m						1-
REGISTRATION	rated Popu-	18	Пв.	3r 1	i 60 wds			2	1	ugh		(Or Fever.	1.				ubli	Causes
UB- DISTRICTS.	lation,	Вгатня	DEATHS.	under of Age.	aged at upw	ox.		Feve	ria.	. Br.−6c		0 E	con-	à		Cases.	n P	od Co
	1881.		Total I	nfants Year o	Versons Years	Small-pox.	Measles	Searlet Fever.	Diphtheria,	hooping-cough	Typhus.	Enterie (o	Simple c	Diarrhoa	Violence	168E	eaths in Public Institutions.	ncertified (
		Total	To	Infe	Per	S. I	Me	Sea	Dip	Wh	Tyl	Ent	Sim	Dia	Vio	Inquest	Deaths	Uno
LONDON · · ·	3,815,704	2623	1317	323	309	-	22	20	31	21	-	19	-	17	59	123	309	111
WEST DISTRICTS	669,688	409	212	48	55		4	5	4	3	-	4		2	12	17	64	1
NORTH DISTRICTS	905,947	585	293	60	77	-	6 5	8	7	9	-	7	- :	4	16	81	66	-
CENTRAL DISTRICTS	282,288 692,738	167 518	97 274	26 88	15 51	-	3	2	10	1	-	3	-	5	14	9 43	67	-
South Districts Fos-)	1,265,148	944	440	106	111	-	4	4	7	8	-	5	-	5	10	24	81	10
PITALS OUTSIDE REGISTRATION		-	1	-	_	_	-	1			-	-	-	-	-	_	1	-
WEST DISTRICTS.	80000		6.	8		_		-	1	_	-				1	,		
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 87880	45 13	21 11	-	6 5	-	1	-	-	-	-	ī	-	-	2	2	6	-
Kensington Town Ww - W.M. & C.	190141 48010	64 13	36 4	6 -	17 2	-	-		-	-	-	-	-	-	1	1	10	-
St. Peter Hammersmith W.M. St. Paul Hammersmith H W.M. & G.J. Fulham Www W.M. & C.	7899 64340 42900	6 52	16 36	6 10	1 4 2		3	1 4	2	1	-	ī	-	-	- 3	1 2	12	-
Chelsea North-west WHHHHH. C.	0396 24925	79 17 19	8 15	2 4	1 3	-	-	=	-	-	-	-	-	-	-	1	3 10	1 -
Chelsea North-east	32807 80353	25	6 9	2 2	5	-	-	-	1 -	-	-	-	-	-	1 2	1 2	-	-
May Fair WW G.J.  Belgrave WHHH C.  St. John Westminster HHH - C.	59220 35496	7 25 20	18 9	2 2	2 3	-	-	-	-	-	-	3	-	1	1	1	8 -	-
St. Margaret Westminster H - C.  St. James Westminster WHH N.R.&G.J	24679 29941	6	7	2	1		-	-	-	-	-	-		1	1	1	4	-
St. Anne Soho HHHHHHHH - N.R.	16608	12	4	-	2 1	~	-	-	-	[-]	-	-	-	-	-	-	2 2	-
NORTH DISTRICTS.  All Souls Marylebone HHHH - W.M.	26789	15	16	4	1	-	-	-	-	1	-	-	-	-	2	3	4	_
All Souls Marylebone HHHH - W.M. Cavendish Square HHHH W.M. Rectory Marylebone WH G.J. & W.M.	14891 24809 21118	15	10	6.	4	-	1	-	=	1	-	-	-	-	-	ī	2	-
St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone H - W.M. St. John Marylebone H - W.M.	83700 83638	18 13 7	8 8	2 3	2	-	-	-	-	1		-		-	-	-	1	-
Hampstead Www H N.R. & W.M	45452	28	17	8	7	-	-	-	2	1	-	-	-	-	2	8	2	-
Regent's Park Pancras H W.M. Tottenham-court wHHIHN.R.&W.M.	89115 27729	23	14 14 9	3	1 5 3	-	2 -	1	-	=	-	-	-	-		8	5	-
Gray's Ina Lane HHH - N.R. Somers Town H N.R. Camden Town WH N.R.	30247 84369 17811	13 18 8	12	4 2	2 3	-	-	-	-	-	-	1	-	1	2 2 2	3 2	1	-
Kentish Town W N.R.	8748 <b>7</b> 67946	58 62	19	10	11	-	-	2	-	2	-	- :	-	-	-	2 -	7 3	-
Islington South-west HH - N.R. Islington South-east - N.R.	10097 <b>6</b> 618 <b>35</b>	81	24 11	7 3	5	-	1	-	1	1	-	1	= ;	1	2 2	2 2	16	-
Highbury $H$ N.R. Stoke Newington $H$ N.R.	52048 22781	38	11	3	4	-	-	-	-	i	-	-	-	-	1	2	-	-
Stamford Hill E.L. West Hackney H N.R.	9277 87610	11 80	2 14	- 5	3	-	-	1	-	-	-	-	-	-	-	2	- 2	-
South Hackney E.L. EN.R.	76911 39883	55 17	40 11	5	14	-	-	4	3	1 -	-	3	-	-	1	3	19	111
CENTRAL DISTRICTS. St. George Bloomsbury - N.R.	16681	10	3	2	-		_	_										
St. Giles South WH N.R. St. Giles North N.R.	14864 13887	22	7 8	1	-	-	1 -	-	-	-	-	=	- 1	-	1	1	-	1 1
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	17509 7515	8 2	8 -	2	2	-	-	-	1	-	-	-		-	-	1	6	-
Strand Union Workhouse, Edmonton w.	8559	4 -	5 1	1 -	1	-	-	-	-	=	-	-	-	-	-	1	1	1 7
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R. Saffron Hill H N.R.	18671 10706	13	9 5	3	1	-	-	-	2	-	-	-	-	-	ï	2	7	
Saffron Hill H N.R. St. James Clerkenweil N.R. Amwell Clerkenwell N.R.	6588 17516 19281	15 18	5 6 7	1 2 3	1 2	-	1	-	-	-	-	-	-	-	1	1	-	-
Pentonville N.R.	14773 17506	16 15	4	8	-	-	1	-	-	-	-	-	-	1	1	1	-	-
Old-street H N.R. City-road HHL N.R.	11541 18628	24	7 4	3	1 -	-	2	-	-	-	-	-	-	=	-	-	1	
Whiteeross-street N.R. Finsbury - N.R. Holborn Union Workhouse, Mitcham w.	9217 7468	3	1	1 -	-	-	-	-	-	-	-	-	-	=	=	=	-	. 4 .
St. Botolph H N.R.&E.1	11174	4	2	1	-	-	-	-		-	-	-	-	-	1	1	-	-
St. Sepulchre H N.R. St. Bride W N.R.	7193 5358 8396	2 1	11	-	2	-	-	-	-	-	-	-	-	-	-	-	11	-
Allhallows Barking - N.R. Broad Street H - N.K.	13666 5652	2 2	8	-	8	-	-	-	-	-	-	- }	-	-	2	1	1	-
		-	-	1	- 1	- 1		-	-	-	- }		- 1	- 1	-	- 1		

Note.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, name. v. W Workhouse; H—Hospital; L—Lunatic Asylum; w—A Workhouse Establishment receiving inmates from other Districts than that in which it stan s, see note at the foot of next case. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies frand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L., East London, and K., the Kent Company.

VER, DIPHTHERIA, WHOOPING-GOUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

urday, the 2nd November, 1889																		
							The	DEA	THE	regist	ered i	n the	Wee	k ine	lude			
	Enume-			Deat	hsof					Death	s from	n						
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881.	Total Birrus.	Total DEATHS.	Intants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS.  lywell Shoreditch $HL^{\psi}$ : - N.R. & E.L.  Leonard Shoreditch $HL^{\psi}$ : - N.R.  ixton New Town $\psi$ : - N.R.  ixton Old Town N.R.  ixton WH N.R. & E.L.	7376 14967 29937 28086 4627 <i>5</i>	8 21 27 45	1 4 16 12 28	- 6 6 4	1 7 8 7	1111	1111	1111	-1111	11111	1111	1111	11111		01111	1 2 4	- 8 7 - 6	
thnal Green South E.L. thnal Green East WHL* - E.L.	51157 34399 41405	38 24 28	11 6 9	5 1 -	- 2		1 1 1	1 1 1	.2	1 -	-	111	111	1	2	3 2 2	1 - 5	-
Italields       -       -       E.L. & N.R.         le End New Town       W       -       -       E.L.         hitechapel Church       H'       E.L. & N.R.         nodman's Fields       -       -       E.L.         dgate       -       -       N.R.       & E.L.	22585 15473 17490 9713 6102	10 22 12 6 4	6 9 27 4 2	4 1 6 2 1	2 2 -	1111	11111	1111	11111		1 1 1 1	1	1111	11111	- 1 3 - 1	7	3 21 -	
George's, North E.L. John, St. George East W - E.L.	38747 8410	29 7	15 3 6	6 1	3 2	1 1	2 -	-		-	-	-	-	1	~	1	2	-
adwell HH - E.L. & N.R. teliff - E.L. & N.R. mehouse E.L.	10895 16107 82041	13 28 27	16 16	2 1 3	2		1 1 1	1 1 1	1	-	-	-		-	1	3 5	-	-
ilé End Old Town West - E.L. lie End Old Town East WwwH- E.L.	37960 67653 37074	45 22	17 24 12	7 7 4	7	-	1 -	1	ī 1		-	1	-	-	1	3	7	-
onley wwwH E.L.	64359 5507 <b>7</b>	49 39	31 16	8	3		-	-	î	-	-	1	-	ĩ	2	8	10	-
SOUTH DISTRICTS.	13663 14999 21381 15958 21318 26672 59555 21623	6 5 14 15 16 21 51 16	6 6 4 10 8 18	2 -1 1 1 3 2 5	1 1 - 3 2 7	1111111111	1	1111111	1 1 2 2	1	1111111		1111111	1		1 2 -	1111141	1
-Olave WH S. & L. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & S	11956 16300 15669 54683 36024	9 8 15 43 24	21 4 6 14 18	1 4 4 3 3	4 - 1 2 5	11111	1111	11111		1111		- 1		11111	3 - 1	5	13 - 1 - 4	1
[aterloo-road lst         H - L. & S.           [aterloo-road 2nd         H - L. & S.           ambeth Church 1at         H - L. & S.           ambeth Church 2nd         WW - L. & S.           ennington 1st         - S. & L.           ennington 2nd         - S. & L.           eixton wwe         - L. & S.           bc wood         W L.	15195 16351 19876 39859 45232 35832 62837 19017	15 17 18 19 24 22 33 7	2 3 13 15 10 12 10 7	1 - 3 8 - 3 3 2	1 1 6 1 5 4	1111111	1		1 1 00 1 1 1 1 1	1	1111111	1		* * * * * * * * * * * * * * * * * * * *	1	1 1 1 1 1 1 1	888	111111
st Battersea	54675 52587 86380 28004 13235 25553	48 53 17 24 6 26	21 24 12 11 3 12	6 6 4 2 3	4 5 4 5 1 5		11111	111111	1	1	111111	11111	11111	1	1 -	1	9 3	- - - 1
ulwich - L. & S. tmberwell $W \otimes L^*L^*$ - S. & L. S. & L. George Camberwell - L. & S.	5590 59104 71089 50810	56 55 48	33 22 20	- 3 8 6	14 4 5		- 1	1111	1111	- 1	1111	1	1111	1	1	2 2	17	1 -
Paul Deptford www 'K. Nicholas Deptford K. cenwich West H K. reenwich East WHH - K.	76752 7901 21972 24608	68 4 14 24	25 1 7 11	7 - 2 1	1 3		1	2 - 1		3 -	1111	1111	1111	1	1111	1 1	2 - 3	1
tham $H$ $K$ .  We $H$ $K$ .  Wisham $WH$ $K$ .  denham $H$ $K$ .	5048 21559 19865 26076	5 6 14 18	3 9 4	- 2 3	1 4 1	1 1 1		4 1111		1111	1111	1	1 1 1 1	1111	1111	1111	2	1111
tarlton $H$ K.  oolwich Dockyard K.  oolwich Arsenal $HH$ :K.  umstead, West $H$ K.  umstead, East $W$ K.	10980 17617 19048 14009 19241	7 7 13 9 83	1 2 6 6 10	1 3 1 3	2 5		11111	- 1	1 1 1 1	1		1 11111	11111	11111	11111	11111	1 5	1 1 2
etropolitan Asylum Hospitals: Dartford w Winchmore Hill w Plaistow w	:		ī		-			1 -			111		- 1 1	1 1 1	111		ī	111

be following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the ve Table by w:—

Marylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum in Tottennam Court-road sub-district.
Holborn Infirmary
London City Workhouse

Hackney sub-district.

White End Old Town Eastern sub-district.

White End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

All Bromley sub-district.

Mile End Old Town Eastern sub-dist.

Private London City

Private London City

Private London City Rule Find City of Mile Indian District of Mile Indian Court Rule Find

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during t

Regis-		Area						1	The D	SATHS	registe	ered in	the V	Veek i	nelude	1	
ration		Acres,	Enume-		200	Deat	hs of				Deaths						9
and Sub-	REGISTRATION SUB-DISTRICTS.	ding Tidal Water	Popu- lation,	BIRTHS.	DEATHS	nder 1 Age.	s aged 60 & upwds.	٠		SVGr.	A.	Whooping-cough				Jases.	n Public
Num-		and Fore-	1881.	B	D	Infants under Year of Age.	Persons a	Small-per.	Measies.	Scarlet Fever.	Diphtheria	noopin	Fever.	Diarrhoss.	Violence.	Inquest Cases	Deaths in Pub
bers.		shore.				Infi	Per	Sm	Me	Sca	lia	W	Fe	niu	Vi	- In	De
LON	DON-OUTER RING	370,924	950,957	880	330	72	98	-		8	10	7	5	-	7	22	38
30:1	Carshalton wL - Epsom (part of)* WwB	12228 9971	21118 10710	15 6	5 4	8	1 8	-	-	-	-			1 -1	-	-	. ~
37:1	Godstone (part of) * -	2754	1235	1		-	٠	-	-	-	-	-	-	-	-	~	-
38:1	Croydon WwEHI - Mitcham w† -	20851 11697	101241 17932	68 12	- 39 - 5	9	8 1	-	-	-	1 -	2 3	1	-	1 -	4	12
30:1	Wimbledon HHH - Kingston WHH -	3220 8549	15950 36354	9	- 11	- 2	- 4	-	-	-	1	-	-	-	-	1	1
8	Esher (part of) * - Hampton H	6601 4573	9221	22 4 12	5 4	1	2	-	-	-	-	-	-	-	1 1	-	-
10:1	Richmond WH	2272	21302	12	1	- 1	1	-	-	-	-	- 1	-	-	-	-	-
2 41:1	Mortlake Bromley (pt. of) * HH	2941 15669	12331 31142	13	5		2	-	-	-	-	-	-	-		-	-
42:1	Chishrst(pt.of)* WHH  Bexley H - * -	14307 134 <b>3</b> 7	15844 24134	10	10	1	4	-	-	2	1 -	-	-	-		-	-
24:1	Dartford (Ww, pts. of)* Sunbury 10	11055	11685	5	1 3	-	_	-		1	-		-	-		-	1
2 125:1	Staines W Hillingdon WHH -	13277 6029	12089 10802	8	4 5	1 _	1 8	-	-	-	-	1 -		-		-	2
2 3	Uxbridge Hayes wHL -	6178 14587	5225 11523	2 7	3	-	1	-	-	-	-	-	-	-	-	2 -	8
126:1	Isleworth WHH -	7008 2477	22727 12479	12	6 3	1	3 2	-	-	-	-	-	-	-	-	1 -	2
2 3 4	Twickenham H Brentford HL Chiswick	4345	27649 15975	29 12	8	1	3	-	-	-	-	-	1 -	-	1.	1	-
5	Acton wH	6088	22876	17	10	2 2	2	-	- 1	1	-	-	-	1	-	1 -	-
127:1	Harrow H Edgware H	13809 6994 4383	12796 3749 27453	8 2 34	17	3	1 - 5	-	-	-		-	-	-	-	8	-
3 4	Willesden Hendon W	8382	10484	11	3	1	-	-	-	-	-	-	-	-	-	-	-
137:1	Bushey Watford (W, pt. of)* -	9331	6621	6 -	8 -	1 -	-	-	-	-	-	-	-	-	-	-	
128:1	South Mimms Barnet	15599 5483	6391 10092	8 2	6	1	2	-	-	-	-	-	-	-	-	- 1	2
3 135:1	Finchley HL  Hatfield (part of) * -	4688 3306	17615	14	7	1 -	2	-	-	-	-	_	-	-	-	-	-
129: 1 2	Hornsey H Tottenham H	3039 4642	37078 46486	27 90	8 16	2 4	2 5	-	-	-	2	-	-	-	1	1	1
3 4	Edmonton Ww ‡ - Enfield WH	7483 12653	23463 19104	28 31	13 13	2	6 4	-	1	1	-	-	-	-	1	2	2
5 6	Waltham Abha	11017 8489	7735	6	2	-	-	-	-	1 -	-	-	-	-	-	-	-
18 <b>5 : 1</b>		832 7351	38606 101053	25 142	5 83	13	1 13	-	2	1	1 -	-	2	-	1	1	-
3 4	Leyton WwL Walthamstow H -	4372 6520	32430 2886∂	43 45	17 19	7 5	3 4	-	3	-	1	-	-	-	2	2	3
187:1		11761	9669	4 -	4 -	-	1 -	-	-	-	-	-	1 -	-	-	-	-
189: 1	Romford (part of) * W	6730 8493	3411 7645	2 8	2 2	_1	1 1	-	-		-	-	-	-	-	-	1
3		4127	9203	16	2	3	-	-	-	-	-	-	-	-	-	-	1

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows 30:2. Epons sub-district, except the parishes of Ashstead and Headiey (pop. 1245); 37:1, the parishes of Warlingham and Farley in Godstoness district; 39:3. Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parish of Cadham a Knockholt (pop. 1812); 41:2, Chisleaurst sub-district, except the parish of Chelsfield (pop. 187); 135:1, the parish of Northaw in Hatdiesh-district; 187:1, Chiswell sub-district, except the parish of Theydon Bois (pop. 375); 189:1, the parish of Northaw in Hatdiesh-district, 187:1, Chiswell sub-district, except the parish of Theydon Bois (pop. 375); 189:1, the parish of Dagonam in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

<sup>‡</sup> Exclusive of Leaths of London residents in Strand Union Workhopes and in Matropolitan Asylum Hospital, Windamore Hill (cos Table & Exclusive of deaths of London residents in the Metropolitan Asylum at Plaistow (see Table 5):

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 2nd November, 1889.

	Area			L RATE			The De	ATHS	regi	stere	l in t	he W	eek i	nelud	le	
GREATER	in Acres,	Estimated		TALITY 0 living.	DEATHS	Deat	hs of			1	Death	s from	n			Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9	10.	11.	12.	13.	14.	15.	16.
EATER LONDON	448,334	5,642,015	15.5	1.2	1647	395	407		29	28	41	28	24	17	66	347
INNER LONDON - OUTER RING -	77,410 370,924	4,351,738 1,290,277	15·8 13·3	1.6 1.5	1317 330	323 72	300 98		22	20	31 10	21	19	17	59	309 38

ote.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 Foreign Cities, having an estimated Aggregate Population of 16,681,747 Persons.

	POPULATION				ANNUAL	DE	EATHS		PRIN DISEAS	ES.	ZYMO:	
CITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS. of Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.
LCUTTA	433,219 {	September 7	-	219 230	26·3 27·7	1	1	-	1	-	58	36†
MBAY	773,196	October 1	321	447	25.6	_1	_	?	9	9	64 114	40† 47†
LDRAS	398,777	September 13	297	319	41.5	-	10	5	5	2	74	83†
RIS	2,260,945	October 26	1130	922	21.2	1	6	2	21*	6	16	66
18 Faubourgs.)	471,606	" 26	236	145	16.0	-	1	-	2	1	3	14
ISTERDAM -	403,083	99 . 26	274	140	18.2	-	-	1	2	1	1	
TTEBDAM -	197,723	,, 26	123	69	18.0	-	3	-	- (	-	1	1
HAGUR -	153,440	" 26	82	44	14.9	-	-	-	-	-	-	-
PENHAGEN -	307,000	,, 26	194	93	15.6	-	-	1	8	-	2	3
OCKHOLM -	228,218	,, 19	140	62	14.1	-	-	-	1	1	1	8
BISTIANIA -	138,300	,, 26	66	49	18.4	-	2	1	7	3	849	2
PETERSBURG	842,883	<b>"</b> 12	-	342	21.2	-	9	12	3	2	5	34
BLIN	1,489,672	,, 12	906	479	16.6	-	2	6	20	6	5	42
MBURG(State)	575,276	,, 19	380	229	20.8	-	-	2	4*	6	7	21
ESDEN	264,196	" 19	162	105	20.7	5	-	1	5*	2	1	10
:BSLAU	315,000	,, 26	222	117	19.4	-	1		8*			7
JNICH	281,000	J. 19	205	132	24.1	-	-	-	11*	-	2	25
ENNA	811,434	,, 19	499	317	20.3		11	1	9	2	2	35
AGUE	304,356	,, - 19	-	116	19.9	-	-	3	5	1	1	2
DA-PESTH -	452,907	,, 19	306	191	21.9	1-1	-	1	9	-	4	22
IESTE	158,084	,, 19	-	65	21.1	Page 1	-	-	1		3	7
ME	407,936	September 7	230	192	24.6	2	2	-	10	1	16	28‡
'RIE (10 days)-	306,398	,, 30	265	174	20.7	1	2	-	3	1	4	25
NICE	154.369	October 19	83	67	22.6	13	1	-	2*	-	-	10
IRO	374,338	,, 10	471	353	49'1	-	-	-	4*	-	24	135
EXANDRIA -	231,396	,, 10	227	170	38.3	1		-		-	5	50
IW YORK -	1,571.300	,, 12	-	573	19.0	-	1	4	19	7	8	43
:OOKTAR -	834,607	" 12	-	294	18.2	- 1	-	1	20	2	7	10
(ILADELPHIA -	1,040,245	" 12	1 -	331	16.6	-	-	12	4	3	-	9
LTIMORE -	500,343	,, 12	-	141	14.7	-		2	3	-	2	5

Including deaths from croup.
 Including 6 and 11 deaths from cholera in Calcutta, 6 in Bombay, and 9 in Madras.
 Including 12 deaths from malarial fever.

aken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, NOVEMBER 2ND, 1889.	T. T. J. J. C. C. C. C. C. C. C. C. C. C. C. C. C.	Under the Substratemence of the Astronomer Koyate.
OBSERVATIONS		
-METEOROLOGICAL		
TABLE 9.	12.0	

)									1	Mete	orolo	gra	al Ob	servat	ions.						
۱		04020			7.5	0.0	3.0	1.8	2.5	0.5	2.2	27	u; no	ssion , and ding	the air deduced Hygro-	aphic	and selow	and the	The ; and show	to the	47 in. 58 in.
ı	Rain	in a Gauge Whose	surface is 5 inches above the Ground.	in.	0.55	00.0	00.0	0.15	20.0	0.00	Sum 0.78	96	vel of the sea; no	a discu	of the	photograph inove	"higher," two feet be	optford, is from	meter. strong	plying	d to 29.
ı			Depar- ture from Average of	Miles.	+109	-127	+ 50	+	+188	09 +	Sum +139	25	Level of	ced from or the bay	iperature imidity oy Glaish	horizont	h of tw	ket at Destruction	g Electro erute; s. ne Instr	ood as ap	decrease the 31st
I	**	Robinson's.	Horizontal Movement to of the Air on each Day.	-	381	147	325	829	465	337	Sum 2063	2.4	el.	tions deductions 1873 for ith the confitth the confitth the confitth the reading the readi	ue of tem	discussion d that of 16 years e	hat + md	attle Mar under in	registering; m. mod	e underste	the 30th;
ı	nometers	Je Je	an 24 rily 8.	lbs.	1.5	0.0	0.4	0.3	1.5	8.0	:	23	sea lever	correct ars end ers. W	ly vali	rom a 858, an for the	pended	arket,	weak.	re to b	at the l
	m'Anen	Pressure on the	Least. h	lbs.		0.0	0.0	0.0	0.0	0.0		22	159 fee uce to n; 3h.	nty yen	an dai	rived fuding lecords	rne in gre	the M	ive; w	th day.	75 in. y 9b. A
ı	luced fro	Pressi	Great-	lbs.	00.00	0.0	3.7	5.4	5.6	1.1	:	21	to red	application the twe	the mean daily value of temperature and degree and wet bulb thermomet	hat de years e netric r	hames	erk of	rom The negation	bservat	from 29
	Wind as deduced from Anemometers.	Osler's.	P.M.		SE. & SSE.	SSW.	SSW.	W. & SSW.	WSW.	W. & WSW.	N.	20	The height of the cistern of the barometer is 159 leet above the mean level of the sea; correction has been applied to the readings to reduce to sea level.  Observations are usually taken 4th 4. A., in 1001; 8h. P.M.; and 9h. P.M. The menns of	egeretatings of the tandinest, me u.y. out atomic means, and are well as the tandinest, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1875 for the barometer, and during the wenty tens reduing 1885 for the thermometers. With the corrected mean reading 67 the corrected mean reading 67 the corrected mean reading	and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet builb thermometers by Glaisher's Hygrometers of the dry and wet builb thermometers by Glaisher's Hygrometers of the dry and wet builb thermometers by Glaisher's Hygrometers of the dry and wet builb thermometers by Glaisher's Hygrometers of the dry and wet build the dry and wet build the dry and wet build the dry and wet build the dry and we have a support the dry	The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1898, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.	In reading the columns 9 and 25 it will be borne in mind that + indicates "lower," than the average. The thermometers in the water of the Thames are suspended at a depth of the	the surface, at the end of one of the jetnes of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.	The record of Electricity is derived from Thomson's self-registering Electrometer. The symboles employed are:—Fr positive; N. negative; w. weak; n., moderate; s. strong; and v. variable.  The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show	the aggregate duration of bright smishing on each day. The results of all the meteorological observations are to be understood as applying to the civil day, or from miduich to miduicit.	The reading of the barometer decreased from 29.75 in. at the beginning of the week to 20.47 in. Pap noon on the 27th increased to 29.97 in. by 90. Act. on the 30th idercased to 29.93 in. by 90. room of the 27th increased to 29.84 in. by 80. P. W. on the 31st of Cotolog.
lat.]			A.M.		NE. & ENE.	NE SE SE SE SE SE SE SE SE SE SE SE SE SE	SSW.	wsw.	S. & WSW.	WSW.	SW.	19	the cistern een applied to are usually to	mean daily which records records records records return years end	thermometer ne mean dail daily values	emperature Greenwich discussion o	In reading the columns 9 a "Lower," than the average. The thermometers in the w	the surface, at the end of on their readings are registers Corporation of London.	of Electricity yed are: - P.	the aggregate duration of bright sunshin The results of all the meteorological covil day, or from midnight to midnight.	of the barome of 27th; increthe same d
er Koy	E.	Of the Water of the Thames at Deptford.	Low- est.		48.4	48.4	48.9	49.0	40.0	48.4	48.7	18	ight of the partitions	ings of into otographe twen	and minimum (column 8). The from the mean	erage thank	ling thr.," tha	ce, at tadings	emplo	egate d sults or fro	ading on the
cronom	TEMPERATURE.	Of the of the at Der	High-	-	48.9			49.0	49.8	49.5	49.5	17	The her	nvertective phoring the	olumn olumn om the	The aveords not the air	In read "lowe The th	e surfa eir res orporat	The rembols variab	The aggre	The re
the As	FEMPE	Of Radiation.	Lowest on the Grass.	-	40.0		34.3	33.0	39.5	29.5	33.4	16	100		ii Feer	25		ane Car	E't	ly th	
Under the Superintendence of the Astronomer Koyal.		1	High- est in Sun's Rays.	0	0.09	1.49	105.2	7.88	9.96	84.4	8.08	15		M.; 07er-	slight rain	A little rain	partia ght.		rain	partia	
		Degree of Hu- midity			66 6		88	08	78	462	90	14	KS.	d 2h. P.M.;	; slight		orning; st at ni	orning;	equent riable a	orning;	
Super	etween	the Air Temperature and Dew Point Temperature.	Least.		0.0		0.0	1.4	0.1	1.2	9.0	13	GENERAL REMARKS	A.M. an	throughout;	ı, morni	in m;	with rain in early morning; very with few light clouds occasionally.	with fi	very fine in morning; partially till evening; generally cloudless at	
ler the	erence b	Air Tem nd Dew empera	Great.		4 0		10.	3 12.2	2 13.6	12.4	0.00	12	RAL B	en 3h.		; fog ir	ry fine	n in e	ereast wards,	ry fine	
LUna	Diff	the an	Mean daily e. value.	-	8 0.0		, <u>10</u>	5 5.8	2 6.5	1 6.1	9.80	F	GENE	between ; clo	and foggy	enerally	and ver	vith rai	3h.; ov	and ve	
ı		Of the Dew Point.	re Mean daily yalue.	-	1.0 47.8	0.2. 47.	45	2.0   39.5	0.7 41.	2.2	0.3 43	1 2		Heavy rain between 3h. A.M. and ast till evening; cloudless at night.	Overcast a termoon.	Overeast generally; fog in, morning, in afternoon.	Cloudless and very fine in morning; partially loudy and fine till evening; overcast at night,	Overcast viterwards, v	Fine till 6b.; overcast with frequent rain ti 6b.s.M.; fine afferwards, with variable amounts 5bdd,	Cloudless	
ı	TRE.		parture from Average of of vears.	-	1	1 +	+	1	+	!	1	6.		Hes cast t	Ove	Ove in afi	cloud	Ove	Fin 10h.	Clc	night
ı	TEMPERATURE	Air.	Mean daily value.			48.1		45.8	47.7	44.5	47.3	00	in abov Iorizon, n hours.	6.6	8.6	8.6	2.6	2.6	9.6	6.6	0.89 0.89
ı	TEMI	Of the Air.	Daily Range.			14.7		0.11	1 15.0	13.7	12.6	7	Registered Sun above Sunshine, Horizon, in hours.	0.0	0.0	0.0	₹.9	8.9	. A.	5.8	Sum 23.1
	l		1- Low-	-		8 40.1	9 44.5	5 40.5	1 40.1	1 38.4	0 41.4	9	Regis Suns in ho				9		4	1.5	083
Ì		0,00	High- to est.		55.1	54.	6. 12	8 21.5	1.02 1	1.52 2.1	120	10	TY.	y; s. N.	h. P.M.	s. P. in morning; m. P. afferwards.	Ily .	in morning;	in morning; grwards.	orning s.	
ı	BARO-	Mean daily reading	rected and reduced to \$20 Eahren-heit).			20 020	F69.67	. 29.808	29.514	29.757	29.663	4	ELECTRICITY. (For explanation of symbols, see Note.)	generall P. betw	M. and 2 general	in m fterware	m. P. generally	s. N. in mo P. afterwards.	w. P. in mor	m. P. in morning s. P. atterwards.	
	ı	Phases	Moon.		rerigee.	Greatest	Dec. 3.	First Qr.	:	:	:	25	(For symb	m.P. generally; s.N.	Jim. A.3	8. P. m	m, P	8. N. al	w. P. 8. P. af	m. J	
		9.	AND		. 27	65	80	25	BEE.	01		Jol "	E	51	- & ·	6.	N 30	31	. 1 	. 21	
	-	1889.	Монти анд	OCTOBER.	SUN.	TUES.	WED.	THURS.	FRI   1	SAT.	MEANS	No. of Col.	DATE.	SUNDAY	Monday	TUESDAY	WEDNESDAY	TRUESDAY	November Friday .	SATURDAY	

# OFFICIAL COPY.

#### WEEKLY RETURN

# LONDON DEATHS

AND IN

AND

#### OTHER GREAT TWENTY-SEVEN

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 45. 1889. Vol. L.]

BIRTHS

WEEK ENDING SATURDAY, NOVEMBER 9.

[Price 1 d.

General Register Office, Somerset House, 11th November, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 18.1 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

•	Weeks ending				and the state of the state of	Weeks ending					
Towns.	Oct. 19.	Oct. 26.	Nov.	Nov. 9.	Towns. Par (	Oct. 19.	Oct. 26.	Nov. 2.	Nov. 9.		
Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield	15·8 17·1 22·4 19·1 20·6 14·6 20·7 14·8 13·2 22·5 22·5	9·7 17·0 22·8 19·1 17·1 19·3 14·1 13·9 11·7 23·2 18·0	15·3 15·8 25·0 18·7 18·0 11·6 15·5 13·9 16·4 22·5 15·7	12·2 18·2 23·2 22·3 24·6 15·0 16·6 17·6 16·4 22·5 19·7 19·1	London Manchester - Newcastle-on-Tyne* Norwich Nottingham - Oldham Plymouth Portsmouth	16·9 22·0 26·3 18·2 14·5 17·6 31·4 15·9 34·1 16·3	15·7 24·0 27·6 10·5 17·6 21·6 28·0 11·8 29·0 13·6	20.8 15.8 22.3 28.2 17.1 14.7 14.3 22.0 15.1 32.0 16.9 19.9	16·2 23·3 25·0 15·5 15·4 21·3 26·0 19·2 24·5 13·6		
	24.2	19.9		18.1	Sunderland -	23.7	22.9	22·2 21·5	24.9		

The highest annual death-rates, measured by last week's mortality, were:-from measles, 1.3 in Wolverhampton, 2.0 in Nottingham, 2.0 in Preston, and 3.9 in Sunderland; from scarlet fever, 1.0 in Birmingham, 1.3 in Blackburn and in Wolverhampton, 1.8 in Bolton, and 5.3 in Plymouth; from whooping-cough, 1.1 Oldham, 1:3 in Wolverhampton, and 2:6 in Portsmouth; and from "fever," 1:1 in Derby and 1:4 in Cardiff. The 36 deaths from diphtheria in the twentyeight towns included 23 in London, and 2 in Plymouth. Small-pox caused one death in London and one in Bolton, but not one in any of the twenty-six other great towns.

## LONDON.

In London 2659 BIRTHS and 1350 DEATHS were registered. Allowing for increase of population, the births were 199, and the deaths 329, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 15.7 and 15.8 in the two

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leieester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leieester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated,

preceding weeks, further rose last week 16.2. During the first six weeks of the current quarter the death-rate averaged 16.2 per 1000, and was 3.1 below the mean

rate in the corresponding periods of the ten years 1879-88.

The 1350 deaths included 1 from small-pox, 20 from measles, 23 from scarlet fever, 23 from diphtheria, 24 from whooping-cough, 11 from enteric fever, 17 from diarrhæa and dysentery, 1 from cholera, and not one either from typhus or an ill-defined form of continued fever; thus, 120 deaths were referred to these

diseases, being 100 below the corrected average weekly number.

One death from small-pox was registered, the corrected average being 8; this death, the cause of which was certified as "acute septicæmia, variola (doubtful)," occurred in Lambeth. The death of an infant in Hammersmith was attributed to chicken-pox. The fatal cases of measles, which had been 17 and 22 in the two preceding weeks, declined again last week to 20, and were 34 below the corrected average; 2 belonged to Pancras, 3 to Clerkenwell, 3 to Bethnal Green, 2 to Bermondsey, and 4 to Greenwich sanitary areas. fatal cases of scarlet fever, which had been 27 and 20 in the two previous weeks, rose again last week to 23, but were 34 below the corrected average; 2 belonged to Islington, 2 to Hackney, 2 to St. George-in-the-East, 2 to Stepney, 2 to Mile End Old Town, 2 to Newington, and 3 to Lambeth sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1557 scarlet fever patients on Saturday last, against numbers increasing in the nineteen preceding weeks from 559 to 1500; 204 cases were admitted to these hospitals during the week, against 188, 182, and 135 in the three previous weeks. The deaths from diphtheria, which had been 41, 37, and 31 in the three preceding weeks, further declined last week to 23, and were one below the corrected average; 3 belonged to Hackney, 3 to Shoreditch, 3 to Bethnal Green, and 3 to Lambeth sanitary areas. The 24 fatal cases of whooping-cough showed an increase of 3 upon the number in the previous week, but were 2 below the corrected average. The deaths attributed to diarrhaa and dysentery, which had been 15 and 17 in the two previous weeks, were again 17 last week, and were 5 below the corrected average.

The deaths referred to enteric fever, which had been 21 and 19 in the previous two weeks, further declined last week to 11 (including a hospital case admitted from Stratford in the Outer Ring), and were 15 below the corrected average; 2 belonged to Lewisham sanitary area. The Metropolitan Asylum Hospitals contained 121 cases of enteric fever and 7 of typhus on Saturday last; 26 cases of enteric fever were admitted during the week, against 17 and 15 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 281 and 300 in the two preceding weeks, further rose last week to 318, but were 107

below the corrected average.

Different forms of violence caused 51 deaths, concerning all but 2 of which inquests were held. Of these 51 deaths, 5 were cases of suicide, and 1 of murder or manslaughter, while the remaining 45 were attributed to accident or negligence. Five of these were caused by vehicles in the streets, 5 by burns or scalds, 4 by drowning, and 18 (including 14 of infants aged under one year) by suffocation.

# GREATER LONDON.

In Greater London 3497 births and 1694 deaths were registered, corresponding to annual rates of 32.3 and 15.7 per 1000 of the estimated population. In the Outer Ring 10 deaths from diphtheria, 6 from "fever," 6 from measles, and 5 from scarlet fever, were registered. The fatal cases of diphtheria included 4 in Hillingdon, 2 in Isleworth, and 2 in Tottenham sub-districts; and 4 deaths from measles occurred in Walthamstow sub-district. Scarlet fever caused 2 deaths in West Ham, and "fever" 2 in Croydon sub-districts.

Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during October will be found on pages 463-64.

## METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30.00 ins.; the lowest reading was 29.45 ins. on Sunday evening, and the highest 30.32 ins. on Friday at noon. The mean temperature of the air was 47.3, and 2.2 above the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably below the average on Tuesday, but showed an excess on each of the other days of the week. The general direction of the wind was W.S.W., and the horizontal movement of the air averaged 9.0 miles per hour, which was 2.6 miles below the average in the corresponding weeks of 16 years. Rain fell on Sunday to the amount of 0.26 of an inch. The duration of registered bright sunshine in the week was 3.9 hours, against 5.1 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the London Water Companies who have furnished him with the average daily quantity of Water supplied during the month of October 1889; according to their returns 170,403,008 gallons or 774,219 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 225 gallons (102.2 decalitres), being rather more than a ton by weight, to each house, and, assuming 7.8 persons to each house, 28.9 gallons (13.1 decalitres) to each person, against 27.9 gallons in October 1888.

COMPANIES.	Number of suppli	Houses, &c.	Average daily Supply of Water in Gallons.			
COMPANIES.	OCTOBER.	OCTOBER.	Остовек.	Остовев.		
	1888.	1889.	1888.	1889.		
TOTAL SUPPLY	744,592	756,938	161,994,888-	170,403,008		
From Thames	358,784	364,870	80,490,057	85,267,475		
	385,808	392,068	81,504,831	85,135,533		
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	34.717	35,129	8,940,631	9,518,069		
	70.876	72,430	15,112,887	15,512,287		
	110,213	111,596	22,925,966	23,863,965		
	54,881	55,748	16,388,373	17,501,890		
	88,097	89,967	17,122,200	18,871,264		
Lea and other Sources.  New River East London Kent	151,433	153,031	30,043,000	31,324,000		
	163,145	166,295	39,749,360	42,040,766		
	71,230	72,742	11,712,471	11,770,767		

Note.—The Return for October 1889, as compared with that for the corresponding month of 1888, shows an increase of 12,346 houses, and of 8,408,120 gallons of water supplied daily.

# Analysis of Metropolitan Water Supply during October.

Water-analysis Laboratory, The Yews, Reigate, 8th November, 1889.

Y Y 2

SIR. I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of October.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 1·1, Colne Valley 1·6, Tottenham 1.7, East London 1.9, New River 2.1, Chelsea 2.8, West Middlesex 3.0, Lambeth 3.1, Grand Junction 3.2, and Southwark 3.7.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was considerably inferior in quality to that delivered in September, owing,

doubtless, to the access of decaying vegetation to the river. All the water was efficiently filtered.

The water abstracted chiefly from the River Lea by the New River and East London Companies was also efficiently filtered. That delivered by the East London Company was equal in quality

to the September supply, but the New River Company's water was much inferior.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a high degree of organic purity, the Kent supply being especially distinguished in this respect. All these waters were clear and bright, that of the Colne Valley Company was softened before delivery, and was thus rendered suitable for washing.

Seen through a stratum two feet deep, the waters presented the following appearances:—Kent, Colne Valley, and Tottenham, clear and colourless; Chelsea, West Middlesex, Lambeth, New River, and East London, clear and very pale yellow; the remaining waters clear and pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied

to that city was "very slightly turbid and yellowish green in the two-foot tube."
Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter."

The Registrar General, &c. &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

-											
OR	COMPANIES LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES. Chelsea	October 28th. Cab Rank, Horse Guards, Whitehall.	0 10.8	27.00	*146	•019	0	*204	*223	1.8	18.9
	West Middlesex -	Cab Rank, Portland-road.	11.1	27.38	•153	*028	0	•211	*234	1.8	19.1
	Southwark	Cab Rank, Bricklayers Arms, Old Kent-road.	10.1	27.62	198	•020	0	•205	•225	1.8	19.4
Inner Circle.	Grand Junction -	October 28th. Cab Rank, Uxbridge-road, near Marble Arch.	9.8	28.06	•162	*025	0	•213	•238	1.8	19.7
Inne	Lambeth	October 28th. Cab Rank, St. George's- road, Southwark.	11.0	27.66	•157	.025	0	•224	•249	1.8	19.4
	LEA. New River	Cab Rank, Tottenham Court-road.	10.2	31.06	*106	•020	0	*318	*338	1.7	22.7
	East London .	October 28th. Fire Brigade Station, Commercial-road, E.	11.0	31.26	.095	.015	0	•293	*308	2.0	22.1
le,	DEEP WELLS.	October 28th. Mill Lane, Deptford.	12.2	43.04	*054	.011	0	•514	*525	2.6	80.8
Circ (	Colne Valley	October 22nd. Bushey.	preside	16.40	*082	.011	0	*897	*408	2.2	6.0
Outer Circle	Tottenham	October 22nd. Tottenham.	derival	51.00	•085	*015	•012	*691	•716	8.4	29.7
Cor	poration of Birming- am*	October 1st. Victoria-buildings, 34, Bedford-road.	12.8	26.78	•157	•023	.001	•198	•222	1.8	18.9
Cor	poration of Glasgowt-	{ October 15th. Loch Katrine Water. }	9.8	2.60	•122	*026	0	.003	.029	0.75	1.11
	Column 1.	2.	3. ,	4.	5.	6.	7.	8.	9.	10.	11.

\* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 28th October at the Horse Guards cab-rank, had a temperature of 10° · 8 C.; 100,000 lbs. of it contained 27 · 00 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained 146 lb. of carbon and 019 lb. of nitrogen. The above quantity of water also contained no ammonia, and 204 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·223 lb. The above weight of water also contained 1·8 lbs. of chlorine; and 18·9 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

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	CITIES	AND BOROUGHS,	Cols.	- 28 TOWNS.	LONDON.	PORTSMOUTH.	NORWICH. PLYMOUTH.	BRISTOL, WOLVERHAMPTON	BIRMINGHAM.	LEICESTER.	Nottingham.	BIRKENHEAD,	LIVERPOOL.	BOLTON.	MANCHESTER.	OLDHAM.	BLACKBURN.	FRESTON.	HALIFAX.	BRADFORD.	LEEDS.	HILL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGH.	GLASGOW. DUBLIN.	
	ratu.	In Centi-	24.	62.0	99.0	1 6	2.46	1.07	1	1	0.50	1	0.23		2 1	1	•		•	0.18	1	30.0	0.63	1	1	66.0	0.41	
	KAINFALL	fn Inobes.	23.	0.31	0.56	2 1	46.0	0.45	•	1	80.0	1	0.51	1	9 1	1		1 1	,	20.0	3	0.03	0.52	1	1	0.39	0.16	
AIR.	ean.	.sbargitnaU	22.	8.38	8.20	3 1	00.6	8.89	1	1	2.26		9.17	,	1 1	1	1	1 1	1	19.8	1	1.80	2.00	1	ı	8.50	9.20	
TEMPERATURE OF THE AIR.	Me	·tiednerda'	21.	46.9	47.3	1	48.2	48.0	,	1	45.6	,	48.2	1	8 1		,	1 1	•	9.47	1	- 6.97	46.1	1	1	47.3	49.1	
BATUR		nheit. Lowest	20.	30.0	9.78	,	0.48	80.0	•	1	85.30	1	80.8	1	1 1	1	2	1 1		87.0	1	81.0	35.0	, ,	1	30.5	33.0	
TEMPE	-31	Higher Rahrenheit Lowest	19.	0.19	57.5	R I	0.49	58.8	1	1 3	7.09	1	8.89	1		,	1			0.19	1	61.0	0.29	, ,	1	2.69	28.0	
Rate 000,	nding he Deaths	From Diseases in Cols. 6-12.	18.	1.8	1.4	9 9 1	7.3	4.4	1.8	2.0	1.0	2.2	8.7	4.1	1.7	2.6	4.0	9.0	0.0	_	6.0	1.4 0.5	-		1.0	2.2	4 8	1
Annual Rate per 1006,	corresponding to the Week's Deaths	From All	17.	18.1	16.2	19.5	0.93	19.0	18.2	18.4	15.4	12.2	1.13	22.3	23.3	21.8	23.5	24.5	25.2	24.6	18.1	0.77	6.46	25.0	17.6	0.41	24.2	
_	[.dts	Operatines of Decretifies of Decreti	16.	62	14	1	1 1	- :	4	c3 ,	- 1	1	11	1	40	63	1	H 6	)	-	63	9 0	0 1	67	1	14	28	
		Deathain Public Putitution	16.	580	313	10 "	4 10	17	84	9	G 67	0 63	19	4	200	တ	90	c) c	4	6	11	11	0 6	1 0	4	16	29	burn.
		Inquest Case	14.	202	16	-	1 00		6	9	93 O	o 1	11	ı	11	1 10	ī	- 1	9	9	6	L-0 -	3 4	70	00	a.	e. e4	nis Ref
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The DEATHS registered in the Week include		.amdrisi(I	12.	43	17	н,	٠,	<b>-</b> 1	04	1 ,	H 0	3 63	9	7	00 -		1	Н.	- 1	1	ı	1	1		1	,	4 23	at bae
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gistere	Deaths from	Diphtheria.	9.	36	53	1	H 63	1 1	-	1	1 ,	- I	-	1			1	Н	1 1	,-	-	-	1	1 1	1	4	01 H	100
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o DEA		Measles.	7.	99	20	1		1 61	4	1	03	1 2	10	1	4 1	٠,	63	4	1 1	20		1	1 0	010	3 1	65	9 1	
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	lo s	Persons aged 60 Years and upwards.	5.	039	318	17	11	19	36	9	21	- c	36	2	66	07	13	9	9 11	90	23	17	12	C 2	6	70	<b>8</b> 9	
	Deaths of	Infants under of Year of Age.	4	843	310	~ ∞	00 10	20 8	36	56	19	12	23	13	48	18	16	18	15	) H	36	89	23	77	11	21	99	
	nding	œi m	60.	3321	1350	35	28 39	73	159	53	20	13	9.45	49	169	19	54	49	20 E	11	124	132	92	1 10	388	87	245	
	Registered during	BIRTHS, DEATE	21	5967	2659	100	92 8	132	286	114	182	40 %	842	94	257	152	75	73	60	190	262	217	140	118	16	138	157	
	7	to the middle of the Year 1889.	1,	9.555,406	4,351,738	121,807	94,510	229,361	454.835	150,520	218,7812	102 511	606,562	114,670	278,800	149.405	121,275	104,194	81.080	225.056	357,449	327,227	208,017	160.988	112,712	266,900	528,144 353,082	
-	2		Cols.	1 .				. NO.	•	•	•			•	•		•	•		•						1		1
	5 6 7	AND AND SORUEGES.	3	28 TOWNS	LONDON .	PRIGHTON .	NORWICH .	SRISTOL WOYVERHAMPION	BIDMINGHAM	I,RICESTER *	NOTTINGHAM	DERET	LIVERPOOL .	BOLTON	MAKCHESTER	OLDHAM .	BLACKBURN -	PRESTON .	HALIFAX	PRADFORD	Lumbs		STATISTICAL.	NEWCASTLE*	( SHILLER*	FPINBURGH -	GLASGOW . DUBLIN .	

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Table 2. LONDON.—Births and Deaths Registered in the Forty-fifth Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females .	2721	2538	2738	2709	2497	2502	2534	2565	2634	2770	2857·9	2659
	1395	1299	1404	1319	1269	1317	1295	1277	1350	1401	1453·2	1339
	1326	1239	1334	1390	1228	1185	1239	1288	1284	1369	1404·7	1320
TOTAL Deaths Males Females .	1524	1636	1636	1493	1 <i>5</i> 56	1516	1531	1420	1564	1520	1678·9	1350
	785	802	860	784	<b>8</b> 05	826	307	746	787	781	870·5	676
	739	834	776	709	<b>7</b> 51	690	724	674	777	739	808·4	674

The numbers in this column are the average weekly numbers in the forty-fifth weeks of the ten years 1879-88, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LUNDON.—I		سلطان				نطنت	نظلت		23000	A 11116	L AS AS A T	AA EEE	100
	Aug. 17.	Aug. 24.	Aug.	Sept.	Sept.	Sept.	Sept. 28.	Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.	Nov.	Nov. 9.
TOTAL Births	2715	2358	2425	2373	2432	2344	2504	2364	2595	2518	2580	2623	2659
TOTAL Deaths	1382	1240	1263	1170	1236	1267	1361	1381	1321	1410	1310	1317	1350
Ages at 20-20 years - 20-40	727 160 202 235 58	628 140 197 223 52	569 172 235 240 47	535 151 219 216 49	583 164 207 233 49	599 157 248 216 47	644 186 244 245 42	630 201 230 261 59	581 187 227 263 63	590 209 274 272 65	562 163 250 283 52	599 200 209 253 56	606 181 245 265 53
Under 1 year - 1—5 5—20	447 195 85	387 163 78	331 156 82	306 141 88	313 204 66	332 182 85	386 165 93	376 172 82	321 175 85	320 187 83	276 200 86	323 212 64	310 209 87
Deaths from Small-pox  "" Measles Scarlet fever - Diphtheria - "" Whooping-cough "" Typhus "" Enteric fever - "" SimpleContafever "" Diarrhœa and Dysentery - "" Cholera	18 13 36 17 - 8 - 158 4	9 16 37 20 - 11 - 109 2	12 17 32 21 - 12 - 78	9 18 30 28 1 21 1 68	10 17 41 18 - 19 2 68	3 25 44 26 	7 22 44 23 2 19 1 80	9 20 45 14 - 19 2 52	18 15 35 14 1 16 - 28	23 25 41 26 1 11 2 22	- 17 27 37 22 1 21 1 15	22 20 31 21 - 19 -	1 20 23 23 24 - 11 - 17
,, all the above- mentioned Diseases	254	204	173	179	175	184	198	162	122	151	141	130	120
, , Dis. of Respira- tory System , , Phthisis - , Dis. of Circula- tory System	162 135 111	115 139 104	148 149 93	142 134 95	152 137 102	142 157 110	189 146 112	225 148 123	264 129 127	300 184 115	281 141 115	300 125 104	318 141 122
Violent Deaths Inquest Cases Deaths in Public Institutions	49 108 319	56 93 279	51 93 335	47 86 327	101 316	54 96 324	62 119 336	62 119 335	50 99 314	57 112 332	49 101 319	59 123 309	51 97 313
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	59·3 69·7 52·5	57·8 68·1 51·1	60·2 73·0 48·5	60°5 69°1 55°2	63·0 74·6 53·8	51·1 62·2 41·6	50.6 58.9 42.9	48·9 56·7 43·8	49·8 58·4 42·6	49·4, 57·8 41·6	46·7 53·7 41·5	47·3 54·0 41·4	47·3 53·3 40·8
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	82 0·19 26·8	80 0·98 26·2	74 0·00 53·9	88 0·54 22·6	76 0·00 43·4	74 0·25 40·2	80 0·85 17·4	89 0·90 1 <b>0·</b> 0	82 0·57 31·1	88 0·70 17·3	94 1·07 8·1	88 0·78 23·1	90 0·26 3·9

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the displaced of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham: J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Mot.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq. Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Forty-fifth Week of the Year 1889.

FORTY-FIFTH Week of the Year 1889.																			
	for the	31	aturd	lay, 9	th N	OVE	nber		for the	S	sturd	ау, 9	th N	over	aber	1889			
	ges fe 10 10		D	eathe	of H	erso ges	ns of				ges in		De	eaths t	of P	ges	as of		
AUSES OF DEATH.	Corrected Averages for the 10 1879-88.*		Ī	Jnde 20.		er 40.	er 60.	er 80.1	and	CAUSES OF DEATH.	ed Averages Veeks of the 10 1879-88.*		τ	Jnde 20.	r	under 40.	er 60.	er 80.	pus
	Weel	AGES,		1		under	l under	under	U Years upwards.		cted Wee	AGES				i und	under	under	Years unwards
	Corre	ALE.	0-1.	1-6.	5-20.	20 and	to and	60 and	A OR		Corrected 45th Wee	ALL	0-1.	1-5.	5-20.	20 and	40 and	60 and	NOR
ALL CAUSES	1678.9	1350	310	209	87	181	245	265	53	Diseases of Organs of Special Sense † }	3.2	2	1	-	1	-	-	-	-
Small- STaccinated; -	} 8.4	-	-	-	-	-	-	-		Diseases of Circulatory ?		100					0=	-	
pox Unvaccinated No Statement	\\ \tag{\tag{\tag{\tag{\tag{\tag{\tag{	1	-	-	-		1	-	-	System}	115.4	122		1	8	22	37	50	6
Measles	88.5	20	2	15	8		-	-		Croup	14.3	14	2	11	1	_	_	_	_
Bearlet Fever	57°3	23	2	13	8	-	-	-		Bronchitis	257·8 112·2	193 82	76	46 29	3	5 11	21	34 8	10
Typhus Relapsing Fever:†	0.0	-	-	-	-	-	-	-	-	Pleurisy Other Diseases of Respi-	5°7 35°7	3 26	5	4	3	2 2	4	7	-
Influenza	0.3	-	-	-	-	-	-	-	-	ratory System}	00.1	30	0	7	0	_			1
Whooping-cough	25.6	24 23	10	14	10	1	-			Dentition †	10.2	8	6	2	3_	_	-	-	-
Diphtheria	3.5			14	10	,	li			Quinsy, Sore Throat † -	3°2 6'8	5	3	ī	1	-		ī	-
Ill-defined Fever - 5	25.2	11	1		2	-	-			Peritonitis	6.3	5 23	1	-	1	2 5	7	9	-
Enteric Fever	0.3	1	-		1	6	2			Other Diseases of Digestive System	30.6	22		1	1	3	4	8	1
Diarrhea, Dysentery -	21.7	17	10	5	-	-	1	1											
Remittent Fevert	0.3				-	-	-		-	Diseases of Lymphatic ) System & of Ductless	2.8	4	-		3			1	
Hydrophobia Blanders	0.0				-					Glands †	20								H
lowpox and Effects of)	0°2									Diseases of Urinary)				-					
Vaccination † 5	10.0	11	5	2		_				System}	38.3	48	-	1	5	5	16	16	3
Venereal Affections – Erysipelas – – –	9.2	4	2	-	-	2	1		1								-		-
Pyzmia and Septiczmia †	4.0	2	1		1		_			Diseases of Generative	5.2	5		-	-	2	3	-	٥
Puerperal Fever	7.2	4	-		-	4				Accidents of Childbirth -	3.3	3	-	-	_	2	-	_	F
Other Zymotic Diseases †	2.0	1	1		_					Diseases of Locomotive		7		_					
Chrush	1.6	1	1	-	_	-	_			System †}	8'1			1	3	_	2	1	
Worms and other Para-	0.3	1	-	-	-	1	L			Diseases of Integumen-						1			
Bideal Diseases)									_	tary System}	6.5	4	1	_	_	_	3		
Starvation, Want of Breast-milk †}	1.5	-	-	-		_													
Alcoholism	4.8	8	-	_	_	2	4	2		VIOLENT DEATHS.§									
				-		-				(ACCIDENT.)									
Rheumatic Fever. Rheumatism of Heart†	9.6	12	-	1	6	5	_	-	-	Fracture and Contusion Gunshot Wound	17.1	15	-	1	1 -	6	5	2	-
theumatism †	2.9	2	-		-	-	_	2		Cut, Stab Burn and Scald	0.3	1 5	-	2	2	-	1	ī	-
Hout	8.3	3	-	-	-	-	2	1	۲	Poison Drowning	0.9	1 4	-	1 1	-	2		-	-
Rickets †	4·1 56·2	63	3	1	-	-	94	- 04	Ę	Suffocation	14.0	18	14	1	1	-	2	-	-
Cabes Mesenterica	29.2	17	6	9	1	4	84	24	1									-	
Pubercular Meningitis -	24.0	23	7	14	1	1		-	-	(Homicide.)									
Phthisis	168'5	141	3	1	8	70	51	8		Murder & Manslaughter	1.2	1	1	-	-	-	-	-	-
Scrofula, Tuberculosis -  Other Constitutional)	15.0	18	5	8	8	1	1							-	-				
Diseases †}	9.7	12			2	-	5	5		(SUICIDE.) Gunshot Wound	1.0	,							
Premature Birth	33.9	86	86			-				Cut, Stab	0.9	1 2 1		-	-	1	2	-	
Atelectacis +	8.8	3	8		_	_				Poison Drowning Hanging	1'1	-	-	-	-	1	-	-	
Jongenital Malforma-	7.1	4	4	_	_	_	_	-		Hanging Otherwise	0.8	1	-	-	ī	-	-	-	٨
Old Age	54.0	44		_	_	-	_	20	24						-				-
			-		-			-		(EXECUTION.)									
Apoplexy	43'3	41	1		-	8	13	21	3	Hanging	0.1		-	-	-	-	-	-	-
Jonvulsions -	8·7 47·9	2 35	30	5	1	-	-	1	-									-	
Other Diseases of Rusin	86.1	75	8	5	6	8	8	88	2	OTHER CAUSES †	61.0	39	34	1		-	2	2	-
and Nervous System		1	1					00						J	-	-	1		
* The numbers in this	olumn ar	re the	vera	ge w	cekl	y De	aths	for t	he ter	years 1879-88, raised by 9°0	6 per cen	t. for i	nores	MA O	fpon	nisti	on.		

he numbers in this column are the average weekly Deaths for the ten years 1879-98, raised by \$"045 per cent. for increase of population. As the ten years average could not be correctly ascertained, the average for the seven years 1882-8 has been used.

the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered rectioner, the case is returned under the heading "no statement."

<sup>\$</sup> The evidence at inquests is often insufficient to enable(the Coroner to estify whether a violent death be the result of accident, murder, similarity, or suicide. All such cases are classed under "accident or negligence."

TABLE S. LONDON .- POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POK, MEASLES, SCARI during the Week end

													aan	ng t	ne v	v eek	end
							The	DB4	THE	regist	ered i	in the	Wee	kine	lude		
	Enume-			Den	ths o'	1				Dest	hs fro	m				1	
REGISTRATION	rated		0.	~	60 rds			1.	1	180		Ver.	ن ا	1	1		Public ns.
SUB-DISTRICTS.	Fopu- lation,	RTE	DEATES	under f Age.	aged (	J		Fever.	á	S-coug		(or	Son-			Cases	Pr
502 210111012	1881.	B			na a	-po1	.80		heri	ping	18.	ie (	9 24	hoes	1966.	St C	s in
33.3		Total	Total	nfants Year	Persons Years	Small-pox.	Measlos	Searlet	Diphtheria	W hooping	Typhus	Enterie (o	Simple o	Diarrhos	Violense	Inquest	Deaths in Pulustitutions.
				-	- B	-00		- 00	-	5-	-	Na -	32	9		1=	<u>a</u>
LONDON	3,815,704	2659	1350	310	318	1	20	23	23	24	-	11	-	17	51	97	313
West Districts	669,688	393	232	57	56	-	1	2	2	7	-	-	-	2	11	15	57
North Districts'	905,947	150	88	69	75	-	3	10	7	6	-	3		3	7	18	77
CENTRAL DISTRICTS	282,288 692,738	483	222	54	46	-	5	3	5	1	-	1		3	9	29	23 65
SOUTH DISTRICTS - METROPOLITAN ASYLUM HOS-	1,265,148	1041	487	115	122	1	7	8	8	10	-	6	-	5	21	29	91
PITALS OUTSIDE PLEGISLICATION	-	•		-	-		-				-		-	-	-		-
WEST DISTRICTS.																	
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 87880	9	21 16	8 2	3	-		-	-	1	-		-		2 2	2 2	8
Kensington Town Ww - W.M. & C.	120141 43010	59 8	46 6	5	17 2	-	-	-	-	. 1	-	E	-	1	1	8	16 2
St. Peter Hammersmith W.M.	7599 64340	6 50	2 28	1 8	1 5	-	-		1	-	-	-	-	-	3	4	9
Fulham Www -	42900 30896	16	27 12	10	6	-	1 -	1	1	1	-	-	-	1	-	1	6 3
Chelsea North-west WHHHHH- C. C. C.	24925 82807	20 24	15	4 2	3	-	-	1 1	-	1	-	-	-	-	ī	ī	6
May Fair WW G.J. Belgrave WHHH C.	80353 59220	30	10 18	- 4	7 2	-		-	-	-	-	-	-	-	1	1	7
St. John Westminster HHH - C. St. Margaret Westminster H - C.	85496 24679	25	12	8 2	1	-	-	1	-	-	-	-	-	-	-	-	ī
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	29941 16608	16	5 7	2	-	-	-	-	-	1	-	-	-	-	-	-	1
NORTH DISTRICTS.																	
All Souls Marylebone HHHH - W.M. Cavendish Square HHHH W.M.	26759 14391	14	3	1	2	-	1 ~	11	-	-	- 1	- 1	-	1	-	-	5
All Souls Maryleoone HHHH  Cavendish Square HHHHH  Restory Marylebone WH  St. Mary Maryleb, HHH  G.J. & W.M.  Christchurch Marylebone HH  V.M.  Libbon Marylebone HH  W.M.	24809 21118	10 21	10	1 1 4	1 3	-	=	-	-	-	-	- 1	-	1	-	-	3
St. John Marylebone H - W.M.	33700 33633	25 14	10	-	2	-	-	-	-	-	-	- [	-	-	-	1 -	-
Hampstead Www H N.R. & W.M. Regent's Park Paneras H W.M.	45452 89115	27	13	8	3	-	2	1 -	1 -	1	-	1	-	-	-	1	8
Regent's Park Paneras H W.M. Tottenham-court wHHHH N.R.&W.M. Gray's lnn Lane HHH - N.R.	27729 30247	18	21	5 -	3	-	-	-	-	-	-	- 1	-	1	2	4	18
Somers Town H N.R. Camden Town WH N.R.	84369 17811	20 13	7 9	2	6	-	-	-	-	-1	-	-	-	-	-	-	7
Kentish Town W N.R. Unner Hollowsv WWwH N.R.	87487 67946	61	\$0 43	8	6 17	-	-	-	-	2	-	1	-	1	2	3	7 18
Islington South-west HH - N.R. Islington South-east - N.R.	100976 61895	74 80	26 22	5	5 5	-	ī	-	ī	-	-	í	-	-	1	2 4	- 1
Highbury H N.K. Stoke Newington H N.R.	52048 22781	41 17	11 7	6	3	-	-	-	1	-	-	~	-	-	-	-	1
Stamford Hill E.L. West Hackney H N.R.	9277 87610	9 25	8	1 7	2 1 7	-	-	-	1	-	-	-	-	1.	-	-	2
Hackney WwwH E.L.&N.R. South Hackney E.L.	76911 39883	50 25	40 20	7	4	-	-	9	2	ī	-	- ,	-	-	1	2 -	17
CENTRAL DISTRICTS. St. George Bloomsbury N.R.	16681		5	_	2												
St. George Monthsoury  St. Giles South WH N.R. St. Giles North N.R.	14864 13837	6 11 5	4 4	1	2 2	-	-	-	-	-	-	-	-	-	-	-	8
St. Martin-in-the-Fields HH N.R. & C.	17509	10	4 8	1	-	-	-			-	-	-	-		1	1	2
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	8	5	i	8	-	Ξ	-	-	- 1	-		-	-	-	1	ī
Bt. tiene-the-Martyr HHHHHHH N.R.	18671	10	12	1	2	-	-	_	1	-	-	-	- !	_	-	-	6
St. Andrew Eastern W - N.R. Saffron Hill H - N.R. St. James Clerkenwell - N.R.	10706 6588 17516	6 4 7	S 2 6	1 1 2	-	-	-	-	-	-	-	-	-	~		-	-
Amwell Clerkenwell - N.R.	19281 14773	21 13	6 3	-	1	-		-	-	-	-	-	-	1	-	1	-
Goswell-street N.R.	17506 11541	8	9	8	- J	-	3	-	-	-	7	1	-	-	-	1	-
City-road HHL N.R. Whitegrose-street N.R.	18628 9217	19	2	1 -	-	-	-	-	-	1 / 1		-	-	-	-	1	-
Holborn Union Worlhouse, Mitcham, w.	7468	8 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Botolph H - N.R. & E.1. Cripplegate - N.R. & N.R.	7198	8	1	-	-	-	-	-	=	-	-	-	-	-	-	-	-
St. Sepulchre H N.R. St. Bride W N.R. N.R.	5358 8396	1	13	1 -	1 1	-	-	-	-	-	-	-	: .	-	2 -	1	11
Allhaliows Barking N.R. Broad Street H - N.R.	18666 5652	1	8	-	1 -	-	-	-	-	-	-	-	-	-		-	-
1		-															-

NOTE.—The Italie letters pisced against the names of the sub-districts denote Public Institutions situated thereta, nam ly: W-Wo house; #- Hospital; L- Lunatic Asylum; w-A Workhouse Establianment receiving immates from other Districts than that in which is seen note at the look of next page. The Roman capitals signify the Water Companies which supply the different sub-districts: --i.J. signift Strand Junction Company; W.M. West Middlesex; C. Cheisea; S. Bouthwark and Varianci; L. Lambeth; N. R. New River; E. L., East Lond and K., the Kent Company.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHERA, VIOLENCE, &c., registered in each Sub-district

turday, the 9th November, 1889																		
							The	DEA	THS T	egiste	red in	n the	Weel	k inci	ude			
. —	Enume-			Deat	hs of				1	Death	s fron	a					3	70
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHE.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS.   Sywell Shoreditch   N.R. & E.L.	7376 14967 29937 28036 46275	3 3 16 13 42	6 8 5 16	1 3 3	12325	111113	11111-	1111	11111	11111	1111	11111	11111	- 1	1	1 2	3 4	11111
ethnal Green North $H$ - $E.L$ . ethnal Green South - $E.L$ . ethnal Green East $WHL^*$ - $E.L$ .	51157 34399 41405	38 21 31	6 12 22	3 4 2	1 6	1 1	2	1 -	1	1		111	111	111	1 -	1 2 2	11	1
italfields E.L. & N.R. ile End New Town # E.L. hitechapel Church # E.L. & N.R. codman's Fields E.L. ldgate N.R. & E.L.	22585 15478 17490 9713 6102	20 6 7 5 6	8 14 14 3 1	1 -	5 1 1	11111	1	11111			11111	1	1111	1 -	1	3 -	8 11 -	11111
t. George's, North E.L John, St. George East W - E.L.	88747 8410	36 3	11 4	3	3		-	E		-	-	-	-		-	1	3	1
hadwell $HH$ - E.L.& N.R. atcliff - E.L. imehouse - E.L.	10895 16107 32041	14 29	6 3 5	4 2 1	- 2		1 1 1	- 1	111		1.1.1	-	-	1 1 1	2 -	2 -	4	
ille End Old Town West - E.L. lile End Old Town East WwwH- E.L.	87960 67653	35 44 22	22	9 4	2 4	П	, ī	ī	- 1	-	-	-	-	-	1 -	3	1	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	37074 64359 55077	52 28	6 27 9	1 4 5	6 1	=	-	- 1 -	1		111			1 1 1	2	7	13	-
SOUTE DISTRICTS,  thristchurch Southwark WH L. & S.  to Saviour Southwark - S.  to Saviour Southwark - S.  to Saviour Southwark - S.  to Saviour Southwark - S.  to Saviour Southwark - S.  to Saviour Southwark - S.  to Saviour Southwark - S.  to Mary Newington - L.  to Mary Newington - L.  to Saviour Southwark - L.  to Mary Newington - L.	13663 14999 21381 15953 21318 26672 59555 21623	4 7 13 14 18 22 39 19	5 6 6 9 20 9	- 3 1 3 6 3	1 1 1 8 1	11111111	1111111		11111111	2	1111111	1 1 1 1 1 1	11111111	1		111	1 - 3 -	1
tt. Olave WH S. & L. eather Market S. & L. tt. Mary Magdalen W S. tt. James Bermondsey - S. totherhithe WH S. & K.	11956 16300 15669 54682 36024	16 17 14 44 29	18 6 9 8 9	1 1 3 5 8	2 1 4 2 -	11111	111	1111	1	1111	11111	11111	11111	11111	21	2 1	9 - 2	1
Waterloo-road 1st H L. & S. Waterloo-road 2nd H L. & S. Ambeth Church 1st H - L. & S. Ambeth Church 2nd WW - L. & S. & S	15195 16851 19876 39859 45282 35832 62837 19017	7 14 6 45 27 30 47 17	7 3 17 21 8 11 13 8	1 8 5 1 2 8	2 1 2 8 - 6 4 2	1	11111111	1	1 1 1 1 1 1 1 1	1	1,111111	111111	11111111	11111111	1 3 - 1 - 1	1 1 -1 -1 -	1 12 7	1
bast Battersea     8.       West Battersea     WwH 8.       Japham H 8.       Wandsworth     WHL - 8.       Vandey 8.       Streatham L.	54675 52587 36380 28004 13235 25553	58 72 29 33 11 12	11 83 20 6 -	10 8 4	8 5 1	111111	11111	1,	111111	11111	11111		11111	1 -	1 3	5	6	11111
Dulwich	5590 59104 71089 50810	46 58 38	30 25 14	3 9 5	1 11 8 4	-	- 1 - 1		1			- 1			2 -	2 1 2	18	1
t. Paul Deptford ever - K.  t. Nicholas Deptford K.  dreenwich West H K.  reenwich East WHH K.	76752 7901 21972 24608	69 6 17 24	35 2 6 2]	5 1 1 3	7 -1 7		4 -	4 -	8 - 1	2 1	1111	1 -		- - - 1	1 -	3 -	8 1 12	1 -
Eltham H Kee H Kewisham WH K. Sydennam H L.	5048 21559 19865 26076	18 24 10	1 6 10 10	3 1 1	2 - 3	1111	1111	1111				1	1111	1111	1 - 1	1 - 1	1	1111
Sharlton   H	10980 17617 19048 14009 19241	6 12 19 11 24	9 9 10 4 17	1 2 8 2 8	3 4 2 - 6	11111	11111	11111	11111	1	11111	11111	11711	11111	ī	1 1	3 - 5	1
Vetropolitan Asylum Hospitals: Dartford w Winchmore Hill w Plaistow w -	-	-		-	=			-	-	-	-	-	-	=	- 1 -		-	-

following Workhouse Establishments receive inmates from other Districts than the one in which tacy stand, and are indicated in the Table by w:-

Stepney Workhouse in Bromley sub-district.

Poplar & Stepney Sick Asylum
Westminster Union Industrial School in West Batterses sub-district,
Strand and Holborn Workhouses outside Registration London.

St. Saviour's Indranary in Camberwell sub-district.

Metropontan Asylum District Hosoitals in Funana. Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford,
Edmonton, and West Ham sub-districts outside Registration London. Marylebone Infirmary in Kensington Town sub-district.

Control London Siek Asylum. in Tottennam Court-road sub-district.

Control London Siek Asylum in Tottennam Court-road sub-district.

Control London City Workhouse in Upper Holloway sub-district.

Hoston New Town sub-district.

Hoston New Town sub-district.

Hoston New Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

And Bromley sub-district.

Mile End Old Town Eastern sub-dist.

And Bromley sub-district.

Hoston New Town sub-district.

Mile End Old Town Eastern sub-dist.

And Bromley sub-district.

Strand and Holborn Workhouse in Bromley sub-district.

Strand and Holborn Workhouse in Bromley sub-district.

Strand and Holborn Workhouse in Bromley sub-district.

Strand and Holborn Workhouse in Bromley sub-district.

Strand and Holborn Workhouse in Bromley sub-district.

Strand and Holborn Workhouse in Bromley sub-district.

Strand and Holborn Workhouse in Bromley sub-district.

TABLE 6.-LONDON.-OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during tweek ending Saturday, 9th November, 1889.

	20112011		_ 1	Veek	endin	g Sat	urday	7, 9th	Nov	embe:	r, 188	9.						
Regis-		Area						т	he DE	ATHS :	register	red in	the W	eek in	elude			-
tration		in Acres,	Enume-			Deat	hs of			1	Deaths	from						98
District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Foreshore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Theortified Cause
[O]	NDON-OUTER RING	370,924	950,957	838	344	85	88	-	6	5	10	4	6	4	9	22	49	-
30:1	Carshalton wL -	12228	21118	12	12	1	3	-	-		-	-	-	-	-	2	7	
2	Epsom (part of) WwH	9971	10710	6	-	-						-						
37:1	Godstone (part of) * -	2754	1235	~	1	-			-	-		_	-	,	-	2	7	
38:1	Croydon WwFHI - Mitcham w †	20851 11697	101241 17982	65	31 6	3	11	-	-	1 -	-	2	2	1 -	1	3	-	
39:1	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	22 26	3 20	6	3	-	-			_	-	_	-	-	8	
3	Esher (part of) * -	6601	9221	7	2	1	-		-	- 1		-	-	-	-	2	1	
4	Hampton H	4578	13539	12	4		2			-							2	
40:1	Richmond WH	2272	21302 12331	8	8	1 2	3	_	_	_	-	-	-	-	1	1	-	
41:1	Bromley (pt. of) * HH	15669	31142	26	9	1	3	-	-	-1	-	-			-	-	1 2	
2	Chishrst(pt.of)* WHH	14807	15844	11	8	1 2	3	-		_			1				1	
42;1	Bexley H - ~ ~ ~ Dartford (Ww, pts. of)*	18437	24134	20	10	-	1	-	-		-	-	-	-		1	1	
124: 1	Sunbury w Staines W	11055	11685 12089	5	1 4	1	2	-	-	-	-	-	-	-	-	-	-	
125:1	Hillingdon WHH -	6029	10802	6	5	1	-	-	-	-	4	-	-	-	-	-	5	
2 3	Uxbridge Hayes wHL	6178 14587	3225 11523	1 2	2	-	-	-	-	-	-	-	1	-	-	1	-	
126: 1	Isleworth WHH -	7008	22727	19	12	1	6	-	-	-	2	-	-	1	2	2	3	
8	T WIOMORINGES	2477 4845	12479 27649	5 14	5	_	3	-	1	-	-		_	_	-	1		1
4	Chiswick	1840	15975	9 -	3	1	-	-	-	-	-	-	-	-	-	-	-	1
5		6088	22876	16	6	1	1		1	I	_	_		_	1	2	1	1
127:1	Harrow H Edgware H	13809	12796 3749	9 2	3	-	1	-	-	1	-	-	-	-	-	-	-	
3	Willesden	4388	27453	52	9	6	1	-	-	-	-	_	-	-	-	-	-	
137:1	-	9331	10484	10	3	1	1 -	-	-		-	-	-	-	-	-	-	
2	Watford (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
128: 1	00000	15599 5433	6391 10092	13	1 3	1 1	1	-	-	-	-	-	-	-	-	-	-	
	Darmor	4688	17615	8	6	2	2	-	-	-	-	-	-	-	-	1	3	
135:1	Hatfield (part of) * -	8806	583	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
129:1		3039	37078	29	14	5	3 2	1	-	1	- 2	-	1	-	-	1	1	1
3	10000	4642 7483	46456 23463	68	18	7 2	1	-	-	1	1	-	-	-	-	-	2	
	Enfield WH	12653	19104	19	4	1	-	-	-	-	1	-	-	-	-	-	1	
		0400	<b>536</b> 8	8	2	1 -	-	] -	-	_	-	-	-	-	-	-	-	
186 : :			38606	33	13	3	5	-	-	-	-	-	-	-	-	-	-	
	West Ham wwwwH5	7351 4372	101053 32430	124	41	16	8	-	-	2	1 -	1	1	1	-	1 -	1 6	
	Leyton $WwL$ - $W$		28869	40	18 25	9	5	-	4	-	-	-	-	-	1	1		
187 :	Chigwell (part of) * B Epping (W, pt. of)*	11761	9669	10	5 -	2 -	1 -	-	-	-	1 -		-	-	1 -	1 -	1	1
189:				6	1	-	-	-	-	-	-	-	-	-	-	-		-
_	2 Ilford 3 Barking Town -	- 8493 - 4127		_	3	1	-	-	-	-	-	1	-	-	-	-		

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow 30:2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone si district; 39:3. Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parish of Cudham & Knockholt (pop. 1818); 41:2. Chiefelurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hatfi sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagentam in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

<sup>‡</sup> Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winshmore Hill (see Table 5) § Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 9th November, 1889.

	Area			L RATE			The DE	ATHS	regi	stered	l in t	he W	eek i	nelud	le	
GREATER	in Acres,	Estimated		O living.	DEATHS	Deat	hs of			1	Death	s from	m			ublic
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhos.	Violense.	Deaths in Pu Institution
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
EATER LONDON	448,334	5,642,015	15.7	1.4	1694	395	403	1	26	28	33	28	17	21	60	362
INNER LONDON - OUTER RING -	77,410 370,924	4,351,738 1,290,277	16·2 13·9	1·4 1·4	1350 344	310 85	3 <u>1</u> 8 83	1 -	20	23 5	23 10	24	11 6	17	51 9	313 49

form.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 Foreign CITIES, having an estimated Aggregate Population of 16,681,747 Persons.

\$	POPULATION				ANNUAL	DI	EATHS		PRIN DISEAS	ES.	ZYMO	
CITIES.	(enumerated or estimated).	DATE OF RETUEN. Week ending	BIRTHS. Exclusive of	DEATHS. of Stillborn.	DEATH- EATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-	Fever.	Diarrhoeal Diseases.
LCUTTA	433,219	September 21	-	219	26.3	1 -	-	-	_		74	30+
OMBAY	773,196	October 8	301	387	22.1	Ones		P	2	2	112	28
ADRAS	398,777	September 20	341	318	41.4	-	4	-		-	83	78†
IRIS	2,260,945	November 2	1078	879	20.2		7	4	22*	10	10	72
RUSSELS h 8 Faubourgs.)	471,606	<b>"</b> 2	257	122	13.2	-	-		1	2	-	8
ESTERDAM -	403,083	,, 2	288	130	16.9	_	-	_	2	_	_	-
OTTERDAM -	197,723	,, 2	128	61	16.0		_	-		in in	_	_
TR HAGUR -	153,440	. ,, 2	80	58	19.6	-	***			1	-	
PENHAGEN -	307,000	., 2	168	96	16.3	_	_	1	12	. 1	1	1
OCKHOLM -	228,218	October 26	112	66	15.0		-	2	6*			: 5
IRISTIANIA -	138,300	November 2	65	63	23.7	~	1		6	1	1	5
. PETERSBURG	842,883	October 19	-	381	23.6	-	22	14	6	4	12	35
IRLIN	1,489,672	,, 19	801	555	19.2	-	1	6	23	6	2	42
AMBURG(State)	575,276	,, 26	337	216	19.6	-		2	9*	2	4	22
RESDEN	264,196	<sub>33</sub> 26	137	92	18.1	2	-	2	6*	2	-	6
RSLAU	315,000	November 2	205	144	23.9	-	-	3	15*	1	3	5
UNIOH	281,000	October 26	206	142	25.9	und		-	9*	-	1	22
GRANT	811,434	,, · 26	515	325	20.8	1	6	3	4	1	2	38
MAGUE	304,356	26		117	20.1	1		2	6	2	1	8
JDA-PESTH -	452,907	39 26	360	194	. 22°3	-	911	6	9	-	6	24
RIESTH	158,084	» 26	<b>-</b> `	67	22.0	-		2	4*	-	1	3
ome	407,936	September 14	229	186	23.8	-	-	_	4	1	20‡	18
URIN (10 days)-	306,398	October 10	-			-	-	-	-			
SNICE	154,369	» 26	~	~	-	-	₩		-	-	}	-
itro	374,838	., 17	384	323	45.0	2	-	_	6*	1	13	134
LEXANDRIA -	231,396	, 17	194	161	36.3	- '	_	-	1	1	13	47
WW YORK -	1,571,300	,, 19	-	641	21.3	-	1	3	24	5	12	45
BOOKTAR -	834,607	,, 19	-	294	18'8			2	26*	2	5	13
TILADELPHIA -	1,040,245	,, 19	-	327	16.4	-	-	5	13	3	9	4
ALTIMORN -	500,343	" 19	-	165	17.2	-	-	-	.6	1	7	7

Including deaths from croup.
 Including 5 deaths from cholera in Calcutta, and 9 in Madras.
 Including 15 deaths from malarial fever.

Table 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during 1123 Week ending Saturday, November 9rm, 1889. [Under the Superintendence of the Astronomer Royal.]

										Metec	oroto	gic	at Ub	servatio	ns.						
		Ozone.		8.0	0.0	0.0	0.0	.0.0	1.0	0.0	8.0	27	a; no	r, are ssion , and	e air	aphic	, and	and the	The ; and	show to the	45 in.
Rain	in a	whose receiving	surface is 5 inches above the Ground.	in. 0.26	0.0	00.0	00.0	00.0	00.0	00.0	8um 0.50	26	of the segment	mometen a discu arometen meun rec	are dec	photogr tal move	higher,	Vo feet be beptford,	cometer.	rument,	eek to 29
			Departure from Average of 16 Years.	Miles. + 29	- 34	-159	-124	0	06 -	- 52	Sum -430	25	in level o	ulb then seed from or the ba	nperatur nunidity by Glais	n of the horizon	dicates "	th of tv rket at 1 nstructio	ig Electri	Sunshine Instrument, shown mderstood as applying to the	of the we
rs.		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	214	611	154	279	189	228	Sum 1519	2.4	vel.	the wet b tions dedu ding 1873 f With the co	lue of ter egree of h	discussiond that of	that + inc	datadep Cattle Ma , under in	f-registerir	kes Sunsb oe underst	beginning e Sth.; dec
nometer		he	Mean of 24 hourly obs.	1bs.	0 0	0.0	0.0	0.0	0.0	0.0	:	23	et abor	correctars en	ily valand d	from a 1868, a	mind	pende reign Iarket,	n's sell.	ell-Sto	at the
om Ane		Pressure on the Square Foot.	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	22	159 fe	nomet momet	an da	rived	rne in	are surthe Fo	homsolive; w	Campb ch day, tions a	9.81 in.
luced fr		Press	Great.	lbs. 2.5	9.0	0.0	0.0	2.0	0.0	9.0	:	21	neter is s to red	b therr upplica the twe the there the there the there	temper	chat de	l be bo	hames ies of erk of	rom T	a the on each	from 25 in. b.
Wind as deduced from Anemometers.	Osler's.	General Direction.	P.M.	SSW. & NW.	W. WNW.		WSW.?	WSW.	WNW. &		WSW.	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are recorded to the readings to reduce to sea level.	Observabilities because where the problem of the week bulb thermometer, and the week bulb thermometer, are use experiently of the barometer, the dry bulb thermometer, and the week bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1878 for the barometer, and during the twenty the west of the photographic records made during the twenty years ending 1889 for the barometer, and during the twenty the west of the photographic records made during the twenty wears ending 1880 for the barometer, and during the twenty wears only the the production of th	to the dry now other national contracts are consistent and and the mean daily value of temperature of the art recommends of temperature of the art recommends and minimum fluctuations of temperature of the art recommends of temperature of the art recommends of temperature of the art recommends of temperature of the art recommends of temperature of the art recommends of temperature and degree of temperature and degree of temperature and recommend of the art recommends of the art re	metrical 1200es. The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1888, and that of horizontal movement	of the arr from a discussion of the antimometric records for the to years enturing 1849.  In reading the columns 9 and 35 it will be borne in mind that + indicates "higher," — "forer," than the average.	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jettles of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Commentary of Ladden	Opporation of Location Bletricity is derived from Thomson's self-registering Electrometer. Symbols employed are :—F. positive; N. negative; w. weak; m. moderate; s. strong; x. variable.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day. The results of all the meteorological observations are to be understood as applying to the	owil day, or from midnight to midnight. The reading of the burmouter docreased from 29.81 in. at the beginning of the week to 29.45 in. by Sh. P.M.on the 3rd; increased to 30.32 in. by Sh. P.M.on the 3rd; increased to 30.32 in. by noon on the 8th; decreased to 30.43 in. by
			A.M.	SSW. & S.	WSW.	NNW. &SW.	SW.	WSW.	WSW. W.&	WSW. &NW.	M	19	the cistern	the barometer mean daily ohic records	thermometer the mean daily daily value	cemperature Greenwich	a discussion ne columns 9 n the averag	The thermometers in the wat the surface, at the end of one their readings are registered	of Electricity yed are: P	in column 2 luration of b of all the m	in midnight of the barome he 3rd; incr
E.	Water	of the Thames at Deptford.	Low- est.	0.85	48.0	47.7	46.6	46.5	47.2	43.8	47.2	18	ight of has b	ngs of into otograj	imum 8). T	Tables erage nade at	fing the	ermon ce, at dings	scord cemplo	egate c	ading of
SATUR	Of the	of the	High.	48.6	0.67	48.1	47.2	47.2	47.6	47.8	6.4	17	The hei	readii	d min	metrical Tables. The average te	the air In read "lowe	The the surfa	The reconstruction of the reconstruction of	The nu	vil day The re
TEMPERATURE,		Radiation.	Lowest on the Grass.	35.0	2.99	25.0	34.0	35.1	37.0	87.3	00 13 00	16	100		1 d 3 d	H 5.				th.	ci by
F	1		High- est in Sun's Rays.	0.99	73.0	8.08	0.29	211.8	1.49	58.1	8.49	Iž		overeast		amoun	in morning; generally overcast till evening at night.	overcast after- h. A.M.	afterwards		
	Degree		ration equals 100).	100	82	00 10	87	66	89	80	90	14	KS.	rning; ening;		rariable ess in	cast till	7 overc	ane s	aorning	
tween	the Air Temperature	ire.	Least.	0.0	1.0	6.0	0.0	0.0	0.0	0.0	6.0	13	MAR	in mo		with ; cloud!	lly over	generally overcas	morning; till evening	og in n	
rence be	r Temp	mperati	Great- est.	1.2	9.6	11.8	00	8.7	6.8	7.8	7.5	12	AL RI	eloudy		ng; fine ernoon ight.	general	ning; g	in mo	slight f	
Diffe	the Ai	Te	Mean daily value.	0.0	2.2	4.3	3.1	0.5	3.5	60	5.0	11	GENERAL REMARKS.	rtially h frequ	udy.	mornii till aff	rning;	in early morning; Foggy between 4h.	and foggy in light clouds	erally;	
ı	Of the	Point.	Mean daily value.	48.4	43.6	36.2	41.8	46.8	48.1	46.4	44.5	10	ਲਿ	Fine and partially cloudy in morning; terwards, with frequent rain till evening.	Generally cloudy.	Hoar frost in morning; fine with variable amounts light cloud till afternoon; cloudless in evening; outly and foggy at night.	y in me		ast and	Overcast generally; slight fog in morning.	
čE.			De- parture from average of 0 years.	0 +	+ 2.8	- 5.1	+ 0.3	+ 2.3	0.4 +	1.9 +	+ 2.5	6.		Fine	Gener	Hoar of light cloudy	Foggy in morningloodless at night.	Fine wards.	Overcast swith light		I
TEMPERATURE.		i.	Mean daily value.	48.4	48.8	40.5	45.5	47.0	51.3	49.9	47.8	000	above brizon, hours.	9.2	9.4	9.4	9.3	3.5	9.5	9.1	Sum 05.1
TEMPE		Of the Air.	Daily Range.	0 11.5	11.1	17.5	9.41	13.0	11.2	0.6	12.5	1	Registered Sun above Sunshine, Horizon, in hours. in hours.								
			Low-est.	41.0	43.3	32.6	27.78	40.1	16.0	45.1	40.8	9	Registe Sunshi in hou	0.0	0.0	62	0.0	9.0	0.2	0.0	Sum 3 9
			High-	52.5	5.4.4	50.1	52.1	53.1	27.2	24.1	28.8	16	of e.)	N. in	morning;	•		ning;	ning;	•	
BARO-	Mean	reading	rected and re- duced to 32° Fahren- heit).	in. 29-515	29.661	29.192	30.183	30.308	30.303	20.501	29.995	4	ELECTRICITY. (For explanation of symbols, see Note.)	m. P. and w. N. in morning; w. P. atter- ward.	w. P. in morr	P. throughout	P. throughout	s. P. in morning m. P. afterwards.	w. P. in morning v. P. alterwards.	generally	
		Phases	Moon.		:		Lquator.	Full.	:	•	:	60	(For e	m. P. morning ward.	v. P. aft	s P. t	8. P. t.	g. P. m. P. at	v. P. ait	ш. Р.	
			AMD.	BER.	4	70	9	7	00	6		ol.	EB.	2	4	10	9		00	0	
	1001	0	Моити And Dat.	NOVEMBER.	Mon.	TUES.	WED.	THUES.	FRI.	SAT.	MEANS	No. of Col.	DATE. NOVEMBER.	SUNDAT	Монрат	TUESCAY	WEDNESDAY	TEGEDAY	FRIDAY	SATURDAY	

## OFFICIAL COPY.

# WEEKLY RETURN

#### DEATHS IN LONDON AND BIRTHS

AND IN

# TWENTY-SEVEN OTHER GREAT TOWNS.

# By Authority of the Registrar General.

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> General Register Office, Somerset House, 18th November, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 18.3 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

Birkenhead   9.7   15.3   12.2   11.7     Eiverpool   -			Weeks	ending		1 1 1	1. :	Weeks	ending	
Birmingham   17·0   15·8   18·2   16·9   London     15·7   15·8   16·2   17·4   Blackburn   -   22·8   25·0   23·2   19·8   Manchester   -   24·0   22·3   23·3   26·7   Bolton   -   19·1   18·7   22·3   23·2   Newcastle-on-Tyne*   27·6   28·2   25·0   24·6   Brighton   -   19·3   11·6   15·0   19·3   Bristol   -   14·1   15·5   16·6   12·1   Oldham     21·6   14·3   21·3   15·8   Brighton   -   13·9   13·9   17·6   15·3   Plymouth     28·0   22·0   26·0   23·3   Derby   -   11·7   16·4   16·4   13·2   Portsmouth   -   11·8   15·1   19·2   14·0   Halifax   -   23·2   22·5   22·5   17·4   Preston     29·0   32·0   24·5   28·5   Huddersfield   18·0   15·7   19·7   17·4   Salford*     13·6   16·9   13·6   22·0   26·0   23·3   26·7   27·6   28·2   25·0   24·6   24·6   24·4   28·0   28·2   25·0   24·6   28·2   25·0   24·6   24·6   24·4   23·2   25·0   24·6   24·6   24·4   23·2   25·0   24·6   24·6   24·4   23·2   25·0   24·6   24·6   24·4   23·2   25·0   24·6   24·6   24·4   23·2   25·0   24·6   24·4   23·2   25·0   24·6   24·4   23·2   25·0   24·6   24·4   23·2   25·0   24·6   24·4   23·2   25·0   24·6   24·6   24·4   23·2   25·0   24·6   24·4   23·2   25·0   24·6   24·4   24·4   23·2   25·0	Towns.				Nov.	Towns.				Nov. 16.
Leeds - 19.9 18.8 18.1 19.9 Sunderland - 22.9 22.2 24.9 26.8	Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull -	17·0 22·8 19·1 17·1 19·3 14·1 13·9 11·7 23·2 18·0 20·3	15·8 25·0 18·7 18·0 11·6 15·5 13·9 16·4 22·5 15·7 22·3	18·2 23·2 22·3 24·6 15·0 16·6 17·6 16·4 22·5 19·7	16·9 19·8 23·2 24·4 19·3 12·1 15·3 13·2 17·4 17·4	London - Manchester - Newcastle-on-Tyne Norwich - Nottingham - Oldham - Plymouth - Portsmouth - Preston - Salford* - Sheffield -	15·7 24·0 27·6 10·5 17·6 21·6 28·0 11·8 29·0 13·6 18·8	15·8 22·3 28·2 17·1 14·7 14·3 22·0 15·1 32·0 16·9 19·9	16·2 23·3 25·0 15·5 15·4 21·3 26·0 19·2 24·5 13·6 21·0	17·4 26·7 24·6 13·8 15·4 15·8 23·3 14·0 28·5 22·0 18·7

The highest annual death-rates, measured by last week's mortality, were:-from measles, 1.1 in Bradford, 1.5 in Preston, and 5.4 in Sunderland; from scarlet fever, 1.0 in Preston and 4.0 in Plymouth; from whooping-cough, 1.3 in Wolverhampton; and from "fever," 0.9 in Bradford and in Bolton, and 2.0 in Preston. The 54 deaths from diphtheria in the twenty-eight towns included 38 in London, 9 in Salford, and 2 in Manchester. No death from small-pox was registered in any of the twenty-eight great towns.

# LONDON.

In LONDON 2522 BIRTHS and 1451 DEATHS were registered. Allowing for increase of population, the births were 289, and the deaths 238, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 15.7, 15.8, and 16.2 in the three preceding weeks, further rose last week to 17.4. During the first seven weeks of the current quarter the death-rate averaged 16.3 per 1000, and was 3.1 below the mean rate in the corresponding periods of the ten years 1879-88.

The 1451 deaths included 33 from measles, 24 from scarlet fever, 38 from diphtheria, 37 from whooping-cough, 1 from typhus, 20 from enteric fever, 16 from diarrhea and dysentery, and not one from small-pox, ill-defined forms of continued fever, or cholera; thus, 169 deaths were referred to these diseases, being

52 below the corrected average weekly number.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

No death from small-pox was registered, the corrected average being 7; only one case of this disease was under treatment on Saturday last in the Metropolitan Asylums Hospitals, and not one in the Highgate Small-pox The fatal cases of measles, which had been 17, 22, and 20 in the three preceding weeks, rose last week to 33, but were 22 below the corrected average; 8 belonged to Bethnal Green, and 7 to Mile End Old Town sanitary areas. The fatal cases of scarlet fever, which had been 20 and 23 in the two previous weeks, further rose last week to 24, but were 30 below the corrected average; 2 belonged to Hammersmith, 2 to Shoreditch, 2 to Bethnal Green, 2 to Stepney, 5 to Camberwell, and 2 to Greenwich sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1597 scarlet fever patients on Saturday last, against numbers increasing in the twenty preceding weeks from 559 to 1557; 176 cases were admitted to these hospitals during the week, against 135 and 204 in the two previous weeks. The deaths from diphtheria, which had declined in the four preceding weeks from 41 to 23, rose again last week to 38, and exceeded the corrected average by 14; 2 belonged to Hammersmith, 2 to St. George, Hanover Square, 4 to Pancras, 2 to Shoreditch, 2 to Bethnal Green, 3 to Mile End Old Town, 3 to Battersea, and 2 to Greenwich sanitary areas. The 37 fatal cases of whooping-cough showed a considerable further increase upon recent weekly numbers, and were 4 above the corrected average; 4 belonged to Chelsea, 3 to Shoreditch, 3 to Bethnal Green, 4 to Lambeth, and 3 to Greenwich sanitary areas. The deaths attributed to diarrhaaand dysentery, which had been 17 in each of the two preceding weeks, declined last week to 16, and were 3 below the corrected average; 10 were of children under the age of five years, including 7 of infants aged under one year.

The deaths referred to enteric fever, which had been 21, 19, and 11 in the three preceding weeks, rose again last week to 20, but were 5 below the corrected average; 3 belonged to Hackney, 2 to Whitechapel, 2 to Mile End Old Town, and 2 to Newington sanitary areas. The death attributed to typhus was of a female, aged 61 years, and occurred in Walker Street, Stepney. The Metropolitan Asylum Hospitals contained 123 cases of enteric fever and 8 of typhus on Saturday last; 16 cases of enteric fever were admitted during the week, against 15 and 26 in the

two preceding weeks.

The death of an engineer, residing in Bermondsey, occurred in Guy's Hospital on the 6th instant, and was referred, after inquest, to "glanders, but how occasioned, no evidence to show."

The deaths referred to diseases of the respiratory organs, which had been 281, 300, and 318 in the three preceding weeks, further rose last week to 321, but were

107 below the corrected average.

Different forms of violence caused 65 deaths, concerning all but one of which (the death of a general labourer from lead poisoning) inquests were held. Of these 65 deaths, 10 were cases of suicide, while the remaining 55 were attributed to accident or negligence. Four of these were caused by vehicles in the streets, 11 by burns or scalds, 3 by drowning, and 16 of infants aged under one year by suffocation.

#### GREATER LONDON.

In Greater London 3360 births and 1791 deaths were registered, corresponding to annual rates of 31·1 and 16·6 per 1000 of the estimated population. In the Outer Ring 12 deaths from diphtheria, 7 from whooping-cough, 6 from "fever," 5 from measles, and 4 from scarlet fever, were registered. The fatal cases of diphtheria included 4 in West Ham and 2 in Tottenham sub-districts; and 2 deaths from whooping-cough were returned in Croydon and in Mitcham sub-districts. Of the 4 deaths from scarlet fever, 2 were returned in West Ham sub-district.

# METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30°21 ins.; the lowest reading was 30°12 ins. on Wednesday afternoon, and the highest 30°41 ins. at the end of the week. The mean temperature of the air was 46°8, and 4°4 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Tuesday and Wednesday, whereas it showed a considerable excess on each of the other days of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 5°2 miles per hour, which was 6°8 miles below the average in the corresponding weeks of 16 years. Rain fell on Monday, to the amount of 0°01 of an inch. The duration of registered bright sunshine in the week was 11°9 hours, against 15°1 hours at Glynde Place, Lewes.

\* See note on first page of this Return

	ĺ			T				,	· ·																_		-
9		CITIES AND BOROUGHS,	Cols.	- 28 TOWNS.	LONDON.	BRIGHTON. FORTSMOTTH.	NORWICH.	BRISTOL.	BIRMINGHAM	LEICESTER.	Nottingham.	DERBY. BIRKENHEAD.	LIVERPOOL.	Rollow.	MANCHESTER.	SALFORD.	BLACKBURN.	PRESTON.	HALIFAX.	BRADFORD.	LEEDS.	HULL.	SUNDERLAND.	NEWCASTLE. CARDIFF.	EDINBURGH.	GLABGOW.	DUBLIN.
	FALL.	In Centi-	24.	0.38	0.03	00.0	0.00	0.00	3 1	ı	00.0	1 1	1.52	8	,		1	1	1 1	0.53	1 1	1	69.0	98.0	00.0	0.52	0.12
	KAINFALL	In Inobes.	23.	0.15	10.0	00.0	0.0	0.00	2	1	00.0	1 1	09.0	1	1	1 1	1	1	1 1	12.0	1 1	1		0.34	0.00		90.0
E AIR.	1	Centigrade.	22.	8.17	8.55	90.6	- 10.33	8.33	1	1	7.58	1 1	1.20	3	1	1 1	1	1	1 1	8.83	1 1	1	68.9	1.89	8.78	-	8.39
TEMPERATURE OF THE AIR.	36	Fabrenheit.	21.	46.7	46.8	18.3	50.6		1 1	1	45.1	1 1	45.2	1	,	1 1	1	1	1 1	6.4	1 1	1		70.5	8-44-8		47.1 8
ATURE		heit Lowest.	20.	28.0	28.4	0.68	- 0.94	33.0		1	28.0	1 1	33.1	1	1	1 1	,	1	1 1	37.8	1 1	1	- :-	0.88	33.0   4		33.3 4
CEMPER	-	Fahrenheit.	19.	61.1		8.40	- 20.00				56.4	1 1	51.3	8	1	1 1		1	1 1	55.0 3	1 1			85 - -	53.6 33		
	e e	Diseases in E	18.	1.9 6.1	2.0	1.2	9.0	1.4 :	2.1		1.0 0.4 0.4	0.0		2.7	5.0	0.1	1.3	0.0	9.0	-	2.0	8.0		1.3 6.0	2.8	_	_
Annual Rate per 1000,	corresponding to the	Managara Paragara	18.3	17.4	14.0	13.8	12.1				2 er		23.5		0.77			17.4 (		0.61			24.6 1 15.3 0	20.4			
-	qa	Uncertified	16. [	66 : 1	18 1		1 1	1 1	5	1 ,	-	1 1	16 18	-	100	1 1 1:	- 15	1 28	1 1 1	1 24	ST . T		2 26				
		nisthasu Sildu Tanitutitanl	15.	658	363	10	41	00 61	22	10	G 67	0 07	44	-	61	10	4	ت د	- H	6	15			H 4		31 27	
	Į	sasU teaupal	14.	235	122	1 63	භ වෙ	63 63	6	00 u	٥ ا	1	о e	0	- 24	e es	-	67	21	-		67	4	2	a.	٥.	00
nde		Уроговос.	13.	128	65	63	27 1-1	c <sub>2</sub> 1	1	၈၁ ဇ	9 1	1	00 0	2	16	اء د	1	63	62	-	10 01	67	-	1 03	10	12	9
The DEATHS registered in the Week include		. Asodrasi U	12.	36	16	-	1 1	- 1	တ	1 (	1 6	1	1 1	-	410	o 1	1	1	1	က	- 1	-	1	H 1		00	67
the We		Ferer.	=	54	12	1 -1		67 1	99	1 0	1	1	n c	4	67 -		1	4 1	1	4		П	1	1,14	1	က	7
red in	Deaths from	Whooping-	10.	99	87	63	1 1	es es	ı	1 -	٠ ،	1	- 0	21	97	1	1	H 1	ı	67	1 1	1	-	- 1	F	1.0	67
registe	Death	Diphtheria.	6	54	00 I	-	1	1 1	1	1	l r	4 1	1	l .	67	۱ ور	1	1	1	į.	1 -	1	-	1' 1	00	8	1
EATHS		Scarlet Fever.	00	72	24	1	1 8	1 1	90	67 -	1 1	1	10	-	9	# 1	-	31		1	- 60		1	1, 11	1	67	-
The D		Measles.	7.	02	£ 1					1 0			es .		1 1	<b>⊣</b> 1		භ 	,	20	1 1	-	14	ed 1	1	23	6.1
	_	Small-por.	6.	0		-				_	-				_	! !	-		1 1	-	1 1		_		-	1	1
	Deaths of	Persons aged 60 Years . arsay 05	5.	1 740	342		12 6	12	- 55	07	19	7	33		. 84	10 21		14		17	83 °C	1	12	OI 4	21	53	20
	De	Infants under l Year of	4-	831	342	10	T- 63	14	41	25	T	- 1	42	=	42	14	11	19	- 41	39	48.00	15	90	11	22	62	83
during	ending	EATER	**	3353	1451	200	25	24	147	200	02.	23	226	21	194	3 24	46	57	27	110	136	52	69	33	106	232	178
Registered during	the Week ending	BIRTHS, DEATHS.	31	5520	2552	100	39	116	272	84	114	54	345	68	248	689	72	65	47	100	199	115	18	82	130	363	198
	POPULATION estimated		1.	9,555,406	4,351,738	121,807	94,510	229,361	454,885	150,520	287,812	102,541	606,562	114,670	878,800	234,283	121,275	104,194	81,080	235,056	357,449	208,017	184,193	112,712	266,900	528,144	353,082
-			Cols.	٠	* (	•		NOT	•			•	•		• •		•		•	•		•		•		•	
	CITTES	AND RORUTGHS.		28 TOWNS	LONDON .	PORTEMOUTH	NORWICH .	KOLVEBHAMPION	BIRMINGHAM	LEICESTER .		BIRKENHEAD	LIVERPOOL .	BOLTON -	MANCHESTER	OLDHAM -	BLACKBURN .	PRESTON .	HALIFAX .	BRADFORD	SHEFFIELD .	HOLL .	SUNDERLAND	CARDIFF*	EDINBURGH .		DUBLIN .

TABLE 2. LONDON .- Births and Deaths Registered in the Forty-Sixth Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females .	2544	234 <b>3</b>	2623	2503	2633	2558	2682	2830	2459	2606	2811·3	2522
	1274	1239	1330	1362	1360	1321	1381	1454	1207	1335	1435·4	1265
	1270	1104	1293	1241	1273	1237	1301	1376	1252	1271	1375·9	1257
Total Deaths  Males Females .	1609	1489	1434	1571	1681	1507	1557	1385	1638	1619	1689·1	1451
	826	742	693	812	882	817	765	756	830	848	868·1	748
	783	747	751	759	799	690	792	629	808	771	821·0	703

The numbers in this column are the average weekly numbers in the forty-sixth weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LUNDON.—I			_			OROLO		_					
	Aug. 24.	Aug.	Sept.	Sept.	Sept.	Sept. 28.	Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.	Nov.	Nov. 9.	Nov. 16.
TOTAL Births	2358	2425	2373	2432	2344	2504	2364	2595	2518	2580	2623	2658	2522
TOTAL Deaths	1240	1263	1170	1236	1267	1361	1381	1321	1410	1310	1317	1350	1451
Ages at 0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - at 80 years & upwds.	628 140 197 223 52	569 172 235 240 47	535 151 219 216 49	583 164 207 233 49	599 157 248 216 47	644 186 244 245 42	630 201 230 261 59	581 187 227 263 63	590 209 274 272 65	562 163 250 283 52	599 200 209 253 56	606 181 245 265 53	667 188 254 265 77
"" {Under 1 year - 1-5 - 5-20	387 163 78	331 156 82	306 141 88	313 204 66	382 182 85	386 165 93	376 172 82	321 175 85	320 187 83	276 200 86	323 212 64	310 209 87	342 236 89
Deaths from Small-pox  " Measles " Scarlet fever - " Diphtheria - " Whooping-cough " Typhus " Enteric fever - " SimpleCont <sup>a</sup> fever " Diarrhœa and Dysentery -	109	12 17 32 21 - 12 - 78	9 18 30 28 1 21 1 68	10 17 41 18 - 19 2 68	3 25 44 26 - 11 1 73	7 22 44 23 2 19 1	9 20 45 14 - 19 2 52	18 15 35 14 1 16 -	23 25 41 26 1 11 2	17 27 37 22 1 21 1	22 20 31 21 - 19	1 20 23 23 24 - 11 -	33 24 88 37 1 20
,, ,, Cholera -	204	173	179	175	1 184	198	162	122	151	141	130	1 120	169
mentioned Diseases { , , , Dis. of Respira- tory System } , , , Phthisis - , , Dis. of Circula- tory System }	115 139 104	148 149 93	142 134 95	152 137 102	142 157 110	189 146 112	225 148 123	264 129 127	800 184 115	281 141 115	300 125 104	318 141 122	321 154 121
Violent Deaths Inquest Cases Deaths in Public Institutions	56 93 279	51 93 335	47 86 327	101 316	54 96 324	119 336	62 119 335	50 99 31 <b>4</b>	57 112 332	101 319	59 123 809	51 97 313	65 122 363
TEMPERATURE OF THE AIR Mean Mean of Highest readings - Mean of Lowest readings -	57·8 68·1 51·1	60·2 73·0 48·5	60·5 69·1 55·2	63·0 74·6 53·8	51·1 62·2 41·6	50.6 58.9 42.9	48.9 56.7 43.8	49·8 58·4 42·6	49·4 57·8 41·6	46·7 53·7 41·5	47·3 54·0 41·4	47·3 53·3 40·8	46.8 52.7 41.0
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	80 0·98 26·2	74 0·00 53·9	88 0·54 22·6	76 0·00 43·4	74 0·25 40·2	1	89 0·90 10·0	82 0·57 31·1	88 0·70 17·8	94 1·07 8·1	88 0·78 23·1	90 0·26 3·9	93 0·01 11·9

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield Esq., Lt.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and R. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Mot.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

Table 4. LONDON.—Deaths Registered at several groups of Ages from different Causes in the Forty-sixth Week of the Year 1889.

			_		OI.	T 1 - 1	1.4.1		11 6	ek of the Year 1889.	,								
	for the	Sat	urda	the y, 16	th N	oven	iber	1889.			for the years	Bai	turda	n the	th N	oven	nber	1889	
	2 68 f		De	aths tl	of P	erso ges	as of				Averages for sks of the 10 1879-88.*		De	aths t	of P		as of		
GATTONG OR DWARF	Averages iks of the 10 1879-88.		٦.	Inder		40.	.09	80.1	and	CAUSES OF DEATH.	vera of th 79-88		τ	Inde	.	40.	6.	80.	Bud
CAUSES OF DEATH.		AGES.	-	20.	_	under	under	under			eeks	200	_	20.	_	under 40	under	under	
	Ste		Į		, n	and u	and u	and u	Years upwards		Corrected . 46th Week	L AGES.			000	and u		n pu	Years unwards
	Corre 46th	ALL	0-1	1-6.	5-20	20 a	404	80 B	99		Cor	ALL	0-1	1-6.	5-20	20 8	to and	ob and	98
ALL CAUSES	1689'1	1451	342	938	20	188	954	285	77								1		
										Diseases of Organs of Special Sense †}	2.1	5	1	1	1	2	-	-	
Small- Vaccinated -	} 6.9			-	-	-	-	-		Diseases of Circulatory )	11110	101		2		22	36	10	
No Statement	1			-	-	-	-	-		System}	115.2	121	1		4		-	43	8
Measles	55°4	83 24	7 2	21	2	-	-	-	٦	Croup	16.5	5	3	-1	1	-	-	-	-
Scarlet Fever	2.0	1	-	18	4	-	-	1		Bronchitls Pneumonia	260°7 107°5	198 95	65 27	39 29	6	7 14	12 11	57 8	15
Relapsing Fever + -	0.0	-	-	-	-	-	-	-	-	Pleurisy Other Diseases of Respi-	6.1	19	4	6		1	2 4	4	-
Influenza	0.1	-	-	-	-	-	-	-	-	ratory System}	36.9	19		0		^	-		
Whooping-cough	33.0	37 38	10	26 30	1 8	-	-	-		Dentition †	10.8	6	3	3	-	-	-	-	-
Diphtheria Simple Continued and	1.6	00		30	•	-		1		Quinsy, Sore Throat † -	1.4 6.3	11	3	3	3	-	1	ĩ	-
Ill-defined Fever - 5		-								Peritonitis Diseases of Liver	5°9 29°9	23	2	ì	1	-	10	10	1
Enteric Fever	25.3	20		-	5	11	4	-		Other Diseases of Digestive System -	28.0	33	4	1	1	5	9	13	1
Diarrhea, Dysentery -	18.9	16	7	3	-	-	3	3		Digotare System -)						-			
Remittent Fevert	0.2	-	-	-	-	-	-	-	-	Diseases of Lymphatic	2.6	3	1			1	1		
Hydrophobia Glanders	0.0	1		-	-	-	1		Į.	System & of Ductless Glands †	20.	Ů	Ĺ						
Cowpox and Effects of	0.3	H								Discourse of Heimann)							_		
Vaccination † 5	10.2	7	4							Diseases of Urinary System }	40.1	42		1	4	6	14	14	3
Venereal Affections - Erysipelas	9'4	6	2			2	2	2							-		-	_	-
Pyzmia and Septiczmia †	2°7	4	2	-	-	1	1			Diseases of Generative	6.2	4	I-I	-	-	1	1	2	-
Puerperal Fever	7°1 2°1	. 1	Į,		-	-	1	-		Accidents of Childbirth -	3.9	3	-	-	-	1	2	-	-
Other Zymotic Diseases †	21	2	1	1	_	_	-	_		Diseases of Locomotive )	010	9			5	1	1		
Thrush	3.0			-	-	-	-	-	۰	System †}	8.5			2	_				
Worms and other Para-}	0.4	-		-	-	-	-			Diseases of Integumen- }	7'3	3	2	_	_	_		1	
						-				tary System 5			_					_	
Starvation, Want of Breast-milk † }	1.2	1	1	-	H	ŀ	Ŀ	-											
Alcoholism	4'8	8	-	E	1	3	4	1	٨	VIOLENT DEATHS.§									
Phonostic Fores										(ACCIDENT.) Fracture and Contusion	23.8	23		1	2	4	9	5	2
Rheumatic Fever, Rheumatism of Heart†	9.4	11	-	-	1	6	4	~		Gunshot Wound	0.0	ī	-	-		=	-	-	
Rheumatism †	2.0	4	-	-	~	-	2	2		Burn and Scald	7.0	11	2	7	1	1	1	-	
Gout Rickets t	3.0	2	2		_			6		Poison	2.8	3	16		2	-		1	ŀ
Cancer	53.2	53	-	1	1	6	24	18	3	Suffocation Otherwise	2.6	-	-	-	-	-	-	-	
Tabes Mesenterica -	24.2	12	6	3	1	1	-	1	-				-						
Tubercular Meningitis -	23.9	22 154	7 2	7	7	70	- 56	-	H	(HOMICIDE.)	7.0								
Scrofula, Tuberculosis -	15.4	19	9	4	8	76 1	1	11 1	1	Murder & Manslaughter	1.2	-		-	_				
Other Constitutional ?	10.0	16	1	_	2	1	5	5	2	(SUICIDE.)									
Diseases † }		-	-	-			_		_	Gunshot Wound	1.4	3	-	-	-	1	1	1	
Premature Birth	38.7	45	45	-	-	-	-	-	-	Cut, Stab	1.8	1 2	=	-	-	1	1	-	-
Atelectacis +	3.8	2	2	-	-	-	-		-	Drowning	1.8 1.2 1.4	1	-	-	-	-	1	-	
Congenital Malforma-	7.9	3	3	-	-	-	-	-	-	Otherwise	0.2	2	-	-	1		1	-	_
Old Age	20.9	45	-	-	-	-	-	14	31	(Farance)									
Apoplexy	44'9	47	-	-	_	4	13	24	6	(EXECUTION.) Hanging	0.1	-	-	-		-	-		-
Epilepsy	6.8	5	-	-	1	1	2	-	1			-	-		-	_	-	-	-
Convulsions	50.2	42	35	6	1	-	-	-	-	OTHER CAUSES †	58*1	53	49	2			3	-	
Other Diseases of Brain and Nervous System	79.6	64	10	13	9	4	9	16	3	7.11.21 0.200.20	-		1		1				
• The numbers in this		<u> </u>				-	-	1	1			-	-	1000	of po		-	-	

se humbers in this column are the average weekly locally for the tell years 107-20, land by a volume that he had been used.

I she ten years average could not be correctly ascertained, the average for the seven years 1882-6 has been used, hose cases of small-pox only are returned as "raccinated" or as "unvaccinated" which are so certified by registered decical attendant does not certify that the deceased has, or has not, been raccinated, or when the cause of death is not extilled by a registered cloner, the case is returned under the heading "no statement." or avidence at inquests is often insufficient or enabletine Coroner to certify whether a violent death be the result of accident, mirder, aughter, or suicide. All such cases are classed under "accident or negligenee."

TABLE 5. LONDON. - POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from Swall-pox, Measles, Scarle during the Week ending

	1 }			_		_	Mha	Dwa		agrata.	red i	n the	Wos	-		v eek	еца	T IT Î
				Doot	he of		The	DEA	THEL	Death				- 140	1000			1
TOTAL MANAGEMENT OF THE PROPERTY OF THE PROPER	Enume- rated			Dear	09 p	-		}					1 .		1		blie	Causes
REGISTRATION	Popu-	BIRTES	DEATER	under Age.	aged 6			Fever.		no9-		Fer	ever.			Cases.	Publ	Cau
SUB-DISTRICTS.	1381.		_	ومنتقلا	118 B	-poz	188.	et Fe	theri	hooping-cough	118.	ie (	le co	rhoss	Edo.		tituti	ncertified
		Total	Total	Infants Year	Persons Years	Small-por.	Measles	Scarlet	Diphtheria	Who	Typhus	Enterie (or Eyphoid) Fever	Simple con-	Diarrhose	Violence	Inquest	Deaths in Institution	Uncei
manifer States, years of season functionally not allowed management approximate	0.017704	_						21	90	07	1			16	65	122		T
rcndon	3,815,704	2522	1451	342	342		33	8	38	8	-	20	-	4	8	15	363	18
West Districts	965,947	364 570	245 311	56 72	69 70	-	4	4	8	5	-	2	-	8	13	23	77	
CENTRAL DISTRICTS	282,238 692,738	141 511	105 328	29 74	73	-	19	6	8	10	1	3	-	7	10 18	19 36	25 81	8 92
EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN ASYLUM HOS-) METROPOLITAN EZGISTRATION	1,265,148	936	462	111	120	П	5	10	11	13	-	. 7	-	1	16	29	103	18
PITALS OUTSIDE REGISTRATION LONDON	-			-	-	-	-	-	-	-	-	-	-			-	-	-
WEST DISTRICTS.	69888	42	23	4	6	-	-	-	1	1	-	ī	-	-	1	2	7 8	
St. John Paddington H  Kensington Town Ww W.M.	120141	56	16 35	6	1 12	-	-	-	-	1	-	ĩ	-	-	=	1	15	
Brompton H W.M.	7.599	14	6 2 29	- 4	2 7	-	=	-	- 2	ī	-	-	-	1 1	- 4	1 5	5	
St. Paul Hammersmith H W.M. & C	42900 30396	48 64 6	36 S	10	12	-	1 -	3 -	1 -	1	-	-	-	1 -	-	1	10	-
Chelsea North-west WHHHHH C. C. C. Chelsea North-east	24925 32807	27 26	17 14	8	6 2	-	-	-	ī	8	-	-	-	- 1		1 -	9	-
May Fair WW G.J.	30353 59220 35496	24 28	9 21 12	7 4	6 3	=	-	-	2	-	-	-	-	1	2	2	8	-
St. John Westminster HHH - C. St. Margaret Westminster H - C. St. James Westminster WHH N.R.&G.	24679 29941	6 9	10	1	5	-	-	-	-	-	-	-	-	-	-		1 2	
St. Anne Soho HHHHHHHH	16608	6	6	2	1	-	-	-	-	-	-	-	-		1	1	-	-
NORTH DISTRICTS.  All Souls Marylebone HHHHH W.M.	26759 14991	10	14	5 1	1 -	-	2 -	-	-	-	-	ī	-	-	1 -	2 -	7	-
All Souls Marylebone HHHFH W.MCavendish Square HHHHH - W.MRectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone HH - W.M. &t. John Marylebone H - W.M.	24809 21118 33700	21 7	6 3	1 2 4	1 1 2	-	:	=	1 -	-		-	-	-	111	1	1	-
St. John Marylebone H W.M.	33638 45452	19	9 20	7	3	-	-	1 -	1	1	-	-	-	-	1	3	7	
Hampstead Www H N.R. & W.M. Regent's Park Paneras H W.M. Tottenham-court wHHHH N.R.&W.M. Gray's Inn Lane HHH - N.R.	89115 27729	23 25	8 12	1	2 2	-	1	-	1	=	-	-	-	1 1 1	2	1	5	-
	30247 84369 17811	15 22 14	12 13 9	8	3 4	-	-	=	=	- 8		-	-	-	1	2	5 2 6	-
Kentish Town W N.R.	87487 67946	53 49	30 28	10	12	-	-	-	1	-	-	_	-	2	2	8 -	6 7 15	
Islington South-west HII - N.R. Islington South-east - N.R.	100976 61895 52048	59 42 30	34 11 17	11 7	11 2	=	=	=	=	-	-	-	-	-	1 - 1	2	- 2	
Stoke Newington H N.R.	22781 9277	17 12	7 4	1	3	-	-	-	-	-	-	-	-	-	-	1	-	-
Hackney WwwwH - E.L.&N.R	87610	28 60 25	11 40 7	5 4 1	6 3	=		3	3	1 -		6	-		1	3 2 1	20	-
CENTRAL DISTRICTS.				2	1													
St. George Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North N.R.	16681 14864 13837	8	7 2	1 2	2 -	=	1	=	-	-	-	-	-	-	-	1	2	1
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	17508 7515	6 3	9 2 5	2 2 1	-	-	-	-	-	1	-	1	-	-	2 -	2	2	-
St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w. St. Geothe-Martyr HHHHHHH N.R.	-	3 - 7	7	- 1	-	-	-	-	3	-	=	=	-	-	=	-	5	-
St. Andrew Eastern W - N.R.	10706 6583	3	7	2	-	-	1 1 1	=	-	-	-	-	-		ī	2	-	-
Amwell Clerkenwell N.R.	17516 19281 14773	8 12 11	5 6	2 2 3	1 -	-	1	-	-	-	-		-	-	1	1	-	1
Goswell-street - N.K.	17506	13 11 15	3 8	1 2	2 -	-	-	-	-	-	-	-	-	-	-	1 ~	-	
Whiteeross-street - N.R.	9217 7468	6 3	3 2	2	1	-	-	-	-	=	-	-	-	1 1 1	2 - 1	3	1 -	4
Holborn Union Workhouse, Mitcham w.  8t. Botolph H - N.R.&E.I Cripplegate - N.R.	11174	7 1	3 2	1	1	-	1	-	-		-	-	-	-	-	-	-	-
St. Sepulchre H - N.R N.R N.R.	6358 8396	5	12	-	1	-	-	1		-		-	=	-	3	4	12	
Allhallows Barking - N.R. Broad Street H - N.R.	13666	3 -	2	-	1 -	-	-	-	-	-	-	-	-	-	-	1 -	-	-

NOTE.—The Italie letters pieced against the names of the sub-districts denote Public Institutions situated therein, nam by: W—Work house; H—Hospital; L—Lunatic Asylum; w—A Workhouse Establishment receiving immates from other Districts than that in which it stars see note at the toot of next case. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies Brand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Variabil; L. Lambeth; N. R. New River; E.L., East London and K., the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHERA, VIOLENCE, &c., registered in each Sub-district

aturday, the 16th November, 188	9.							_							_			_
							The	DEA	THS P	egiste	red in	a the	Week	k inel	ude			
	Enume-			Deat	hs of				I	eath	fron				_		2	80
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHE.	Total DEATHS.	Infanta under 1 Year of Age.	Persons aged 60 Years a upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteris (or Typhoid) Fever	Simple con-	Diarrhoes.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS.  lolywell Shoreditch - N.R. & E.L.  t. Leonard Shoreditch + HL* - N.R. Hoxton New Town w N.R. Acton Old Town - N.R. Haggerston WH - N.R. & E.L.	7376 14967 29937 28036 46275	3 11 20 14 84	3 7 18 9 28	1 6 2 6	1 4 7 2 3	11111	1 1 1 2	1	n noin n	- 21 - 0	11111		11111	11111	1 2 1 3	3 2 1 3 1	2 4 6	11111
Bethnal Green North $H$ - E.L. Bethnal Green East $WHL^*$ - E.L.	51157 34399 41405	40 87 28	14 18 22	4 4 2	8 6	1 1 1	1 4 3	1:	2	1	111	-	111	1	1 -	1	10	111
pitalfields - E.L. & N.R. file End New Town W Whitechapel Church H Goodman's Fields - E.L. Aldgate - N.R. & E.L.	22585 15478 17490 9718 6102	15 14 13 2 8	14 14 21 4 3	3 2 -	1 1	1111	11111	1	1	1	11111	1	1111	1	1	1	10 17	11111
St. George's North E.L. St. John, St. George East W - E.L.	38747 8410	6	13	6 -	1 2	-	-	ī	1	-		-	-	1	1	- 1	4 8	1
Shadwell HH - E.L. & N.R. Ratelliff E.L. Limehouse - E.L.	10895 16107 82041	6 9 32	7 5 20	3 1 5	1 4		1	2		. 1	ī	-	-	1	ī	1 6	1 1-0	
Mile End Old Town West E.L. Mile End Old Town East WwwH- E.L.	87960 67653	37 45	21 25	3 7	5	-	8	-	2	ī	-	ī	-		-	-	2	1
Bow L* E.L. Bromiey wwwH E.L. Poplar WWH E.L.	37074 64359 55077	28 61 32	10 43 18	4 9 4	8 14 4			-	1 1 1	111	111	-	111	8 -	3	6	19	-
South Districts.  Christchurch Southwark WH L. & S. S. Saviour Southwark - S. Kent-road - S. Enrough-road WH - S. & L. London-road WH - L. & S. Trinity Newington - S. & L. S. Peter Walworth W - S. & L. S. Mary Newington - L. & S.	13663 14999 21381 15958 21318 26672 59555 21623	6 5 16 9 9 17 50 17	4 6 4 11 3 - 21 8	1 8 2 - 4 1	1 1 1 9 1		11111111	1	1111111	1 1 1 1 1	11111111	1	1111111	1111111		1	45-	1
St. Olave       WH       -       -       S.       & L.         Leather Market       -       -       S.       & L.         St. Mary Magdalen       W       -       S.       & L.         St. James Bermondsey       -       S.       & K.         Rotherhithe       WH       -       S.       & K.	11956 16300 15669 54682 36024	6 9 17 33 37	14 8 7 14 10	1 1 1 4	1 2 3 2	100	1	-	ī	11111	1111		1111	1111	1 - 1	3 3	11 2 2	11:11
Waterloo-road lat   H -   L. & S.   Waterloo-road 2nd   H -   L. & S.   L.	15195 16851 19876 39859 45282 35382 62837 19017	7 22 14 30 31 27 87 10	4 5 19 16 17 12 15 8	3 8 1 3 6 5 5 8	1 6 4 5 4	13311111	1 1 1 1 1 00	1	- 3	1 8	11111111		11111111	1111111	1925   1   1	3 6 -	17 6 - 1	21111
East Battersea	54675 52587 36380 28004 13235 25553	59 50 16 36 11 24	16 22 10 11 4 7	6 1 - 2 1 2	7 56 -	11111		114111	1 2	1	111111	2	111111	11111	1	1 1 1	7 2 -	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5590 59104 71089 50810	1 52 47 42	27 37 15	4 12 5	1 9 12 4		i		-	1 1		2		1	1 1	1 1	11 8 -	ī
St. Paul Deptford www - K. St. Nicholas Deptford K. Greenwich West H K. Greenwich East WHH K.	76752 7901 21972 24608	64 9 18 17	89 8 11 16	11 2 2 1	4 - 2 5		1 -	7 1	3 -	1 1 1	-	2	-	1111	2 -	2 -	11 2 10	1 -
Eltham $H$ K. Lee $H$ K. Lewisham $WH$ K. Sydenham $H$ L.	5048 21559 19865 26076	1 10 15 18	1 5 6 3	- 8 1	1 3		1111		1111	1 -			-		1111	1111	1 2 -	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10930 17617 19048 14009 19241	7 6 5 7 22	3 8 6 5 15	2 2 3 4	2 - 2 7			1 - 1 - 1	1	1111		11111		1 1 1 1	1	1	1 1 1 1 1 1	ī
Metropolitan Asylum Hospitals:  Dartford w Winchmore Hill w Plaistow w		=	-	-	-	=	-	-	=	-	-			=	-		=	-

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the above Table by w:-

Stepney Workhouse in Bromley sub-district.

Poplar & Stepney Stor Asylum
Westminister Union Industrial School in West Battersea sub-district.

Strand and Collorn Workhouses outside Registration London.

St. Section and Strand and S

Warylebone Infirmary in Keusington Town sub-district.

Central London Sick Asylum in Tottennam Court-road sub-district.

Central London Sick Asylum in Tottennam Court-road sub-district.

Holborn Intimmary in Upper Holloway sub-district.

London City Workhouse Heard Colf Town sub-district.

Whitechapel Mile End Old Town Eastern sub-dist.

Affile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

And Bromley sub-district.

Private Lunstic Asylums in whose paupers are received.

Private Lunstic Asylums in whose paupers are received.

On the 1st of Ostober, the Registration District of Bethnal Green was re-divided into three instead of four registration sub-districts.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during to

Regis-		Area							The l	DEATH	s regis	tered I	n the	Week	include	,		8
tration District		Acres,	Enume-			Dea	the of	11			Death	is from	n			1	Ī	1
and	REGISTRATION	inclu-	rated		HS.	7	090 ds.	1	I	1	1	gh.	1	1	1		olio	Causes
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS.	DEATHS.	Infants under Year of Age.	a aged	l .	1	Yer.	1	Whooping-cough				A866.	in Public	Ca
district Num-		and	1881.	BI	1 2	in 8	28 St. 18	Tod-	98.	t Fe	heris	ping	١.	1086.	100.	at Co	s in	ti He
bers.		Fore-				fant	Persons Years	Small-pox.	Measles	Scarlet Fever.	Diphtheria,	hood	Fever.	Diarrhoss.	Violence.	Inquest Cases	Deaths	Uncertified
						-	P	ož.	=	200	<u>a</u>	<u>\$</u>	=	=	-	-	<u>-</u>	5
LO	NDON-OUTER RING	370,924	950,957	838	340	76	75	-	5	4	12	7	6	4	10	16	26	
																		1
80:1	Carshalton wL - Epsom (part of)* WwH	12228	21118	12	7	3	8.	-	-	-	-	1	-	-	-	-	-	100
		9971	10710	3	4	1	2	_	-	1 -	1	-	-	-		-	1	5
37:1	Godstone (part of) * -	2754	1235	1	-	-	-	~	-	-	-	-	-	1-	- 4	-	-	24
38:1	Croydon WwFHI -	20851	101241	69	32	8	7	-	-	1	-	2	-1	-	1	1	4	
39:1	Mitcham w † Wimbledon HHH -	11697	17982	10	10	4	2	1	-	-	-	3	-			-	-	12
2	Kingston WHH	3220 8549	15950 36354	15 28	9	1	4	-	-	-	-	-		-		1	2	1
8	Esher (part of) * -	6601	9221	5	2	-	1	-	-	-	-	-		-		~	-	1.6
40:1	Hampton H	4578	13539	18	2	-	1	-	-	-		-			-	-	-	1
2	Richmond WH Mortlake	2272 2941	21302 12331	7	9	2	3	-	-	-			1		1	1	-	1
41:1	Bromley (pt. of) * HH	15669	81142	38	8	1	4	~	_		-	_	-	1		-	~	1
2	Chishrst(pt.of)* WHH	14307	15844	8	5	1	2	-	-	-	1	~	-	-	-	-	2 4	1 :50
42:1	Bexley H ~  Dartford (Ww, pts. of)*	18457	24184	18	11	1	3	-		-	-	-	-	- 1	1	1	-	0.00
124:1	Sunbury w	11055	11685	6			-			-	-	_	-	_	-	-	-	3
2	Staines W	18277	12089	10	3	- 1	1 2	-	_		-	-	-	-	-	1	1	1
125:1	Hillingdon WHH -	6029	10802	5	4	-	1	-	-	-	1	1	-		1	2	1	
2 8	Uxbridge Hayes wHL	6178	3225 11523	8 -	1 9	- 1	-	-	-	-	-	-	-		-	3	-	- Children
126: 1	Isleworth WHH -	7008	22727	14	6	2	3					- 1			2	1	3	7
2	Twickenham H	2477	12479	10	3	1	1	-	-	-	-	-	-	-	-	-	-	for free to
8	Brentford HL Chiswick	4345 1340	27649 15975	17 .	10 2	1	2	-	1	-	1	-	-	-	-	-	-	
8	Acton wH	6088	22876	21	9	4	3	-	-	-	-	-	-	1 -	2	2	-	And form
127:1	Harrow H	13809	12796	6	6	-	1	-	-	-	-	-	-	1 -	-	-	2	4
3	Edgware H Willesden	6994 4383	3749 27453	3	1	1	-	- 1	-	-	1	-	-	-	-	-	-	-
4	Hendon W	8382	10484	9	15	5	2	-	-	-	-	-	-	-	1	2	-	To Charle
137:1	Bushey	9331	6621	8	-	-	-	-	-	-	-	-	-	-	-	-	-	- Carrie
128:1	Watford (W, pt. of) -	15500	-	-	-	-	-	-	-	-		-	-	-	-	-	-	3
2 2	South Mimms Barnet	15599 5488	6391 10092	7	4	-	1	-	-	-			-	-			-	2
- 3	Finchley HL	4688	17615	10	4	1	1	-	-	-	-	-	-		-	-	2	Beech
135:1	Hattield (part of) * -	3806	<b>583</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	į.
129:1	Hornsey H	3039	37078	33	8	3	1	-	-	-	-	-	1	-	-	-	-	-
8	Tottenham $H$ Edmonton $Ww \ddagger -$	4642 7483	46456 28463	59	23	8 2	6 2	-	-	-	2			1	-1	1	1 8	9.3
4 5	Enfield WH	12653	19104	23	5	2	-	-	-	-	-	-	-	-	1	-		1
6	Waltham Abbey Cheshunt	11017 8480	5868 7785	6	1	-	-		-	~			-	-		-	-	1
186:1	Stratford	882	38606	82	11	3	2		-									1
2 3	West Ham wwwwH\$-	7351	101053	142	51	8	3	-	2	2	4	1	1	-	-	-	-	1
4	Leyton WwL Waithamstow H -	4372 6520	82430 28869	52 39	17	5	1 2		2	1	1	-	1	-	-	-	4	2
187:1	Chigwell (part of) * H	11761	9669	4	5	1	3		2	1	_		-					3
	Epping (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
189:1	Romford (part of) * W	6730 8493	3411	2	1	1	-	-	-	-	-	-	-		-	-	-	-
_	Barking Town	4127	7645 9203	3 7	1	-	1	-		-	-	-		-				-
									-									

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow: So : 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1985); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1983); 41:1, Bromley sub-district, except the parish of Esher (pop. 1983); 41:1, Bromley sub-district, except the parish of Cudham and Knockholt (pop. 1818); 41:2, Chishenrat sub-district, except the parish of Cheisfield (pop. 947); 135:1, the parish of Northaw in Hattleld sub-district; 187:1, Chiswell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagennam in Romford sub-district, also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Exclusive of deaths of London residents in the Honorn Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 16th November, 1889.

	Area			L RATE			The DE	ATH8	regi	stered	in t	he W	cek i	nelud	le	
GREATER	in Acres,	Estimated Population,		O living.	DEATHS from	Deat	hs of			I	Death	s from	n			Public ions.
LONDON.	including tidal water and foreshore.	middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fover.	Diarrhose.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	11.	15.	16
MATER LONDON	448,334	5,642,015	16.6	1.9	1791	418	417	-	38	28	50	44	27	20	75	389
NNER LONDON - OUTER RING -	77,410 870,924	4,351,738 1,290,277	17·4 13·8	2.0	1451 340	342 76	-342 75		33	24	38 12	37 7	21 6	16	65 10	363 26

ore.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 100°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,681,747 Persons.

	POPULATION				Annual	DE	ATHS		PRIN	ES.	ZYMO	
CITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive o	DEATHS.	DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
LCUTTA	433,219	September 28	-	220	26.4	_	-	_	_		65	32†
MBAY	773,196	October 15	342	426	24.4		1	9	P	2	110	32
DRAS	398,777	September 27	319	323	42.0	1	6	3	3	P	82	82†
RIS	2,260,945	November 9	1139	899	20.7	1	17	2	16*	4	11	68
vssels 18 Faubourgs.)	471,606	,, 9	226	143	15.7	-	-	-	1	-	1	13
STERDAM -	403,083	,, 9	250	158	` 20°6	-	-	1	5	1		-
TTERDAM -	197,723	,, 9	135	71	18.6	-	2	-	1	-	1	1
HAGUE -	153,440	" 9	94	49	16.6	-	-	-	-	. 2	-	-
PENHAGEN -	307,000	., 9	240	107	18.2	-	-	-	11	2	4	1
OCKHOLM -	228,218	, 2	128	71	16°2	-	-	3	1	-	-	3
BISTIANIA -	138 300	,, 9	51	66	24.8	- "	5	-	10	1	-	3
PETERSBURG	842,883	October 26	-	367	22.7	~	14	14	2	6	12	37
RLIN	1,489,672	,, 26	838	465	16.0	-	. 2	10	28	11	2	40
MBURG(State)	575,276	November 2	422	210	19.0		-	San .	11*	3	9	22
tesden	264,196	,, 2	156	1	18.1	. 5	-	-	5*	3	-	6
IESLAU	315,000	9	205	121	20.1	-	1	5	10*	1	-	7
JNICH + -	281,000	,, 2	200	133	24.3	-	-	2	6*	-	1	21
ANNA	811,434	3, 2	470	321	20.6		8	1	7	1	1	22
LAGUB	304,356	,, 2		123	21.1	-	-	4	3	1	. 2	ber 1
IDA-PESTH -	452,907	,, 2	319	191	21.9	-	~	1	15 1	~	7	20
INSTR	158,084	,, 2	-	50	16.2		-	1	1	-	1	1
)ME -	407,936	September 21	228	177	22.6	1	-		-	1	16‡	23
JRIN (10 days)-	306.398	October 10	249 81	166 76	19.8 25.7	20	-	-	1	1	5	26 10
INICE	154 369 {	November 2	94	80	27.0	18	-	1	1	-	-	13
IRO	374,938	October 24	441	375	52.2	1	-	-	5*	4	23	145
EXANDRIA -	231,396	. 24	212	176	39.7	1	-	-	-	-	10	42
EW YORK -	. 1,571.300	,, 26	-	612	20°3	-	2	5	16	11	14	32
BOOKFAR -	834,607	, 26		308	19.1	-	***	2	17	1	6	4
HILADELPHIA -	1,040,245	,, 26	-	330	16.6	-	-	1	3	1	12	3
ALTIMORE -	500,343	0 26	1 -	156	16.3		-	2	7	1	3	7
					1			_				

Including deaths from croup.
 Including 6 deaths from cholera in Calcutta, and 12 in Madras.
 Including 12 deaths from malarial fever.

TABLE 9 .- METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, November 16th, 1889. [Under the Superintendence of the Astronomer Royal.]

									M	eteo	rolog	nca	i Uose	rvatio	48.						
	V	Ozone.		0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	27	a; no	r, are ission r, and ading	ne air duced	raphic	" and	and the	The ;	, show to the	17 in.
Rain	in a	Gauge whose receiving	5 inches above the Ground.	in. 00.00	10.0	00.0	00.0	00.0	00.0	00.0	Sum 0.01	26	vel of the sea; no	rmomete m a discu aromete mean re	re of the	photograph ital move	"higher,	Wo reer Deptford ons fron	rometer, s. strong	trument applying	reek to 30 to 30°12
			Depar- ture from Average of 16 Years.	Miles.	-147	-125	-203	-224	-137	-184	Sum -1147	25	an level	bulb the uced from for the book the book of the book o	temperature of the air of humidity are deduced ers by Glaisher's Hygro-	on of the	dicates	arket at instructi	ing Elect	hine Ins	g of the w
rg.		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	135	159	84	99	156	112	Sum 866	4.2	ve the me	d the wet ctions ded ding 1873 With the	degree of temometers	a discussi	that + in	Cattle M.	lf-registeritk; m. mc	okes Suns be under	h beginnin he 11th; d f the week
mometer	-	the t.	Mean of 24 hourly obs.	lbs. 0.0	0 0	0.0	0.0	0.0	0.0	0.0	:	23	eet abo o sea le n. P.M.;	f corre	aily ve	from \$ 1868,	n mind	uspenu foreign Marke	on's se w. wea	y. are to	m. at the
om Ane		Pressure on the Square Foot.	Least.	lbs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	22	is 159 f aduce t oon; 31	rmome sation c venty y ermom	nean derature	derived endin	oorne i	f the I	Thoms ative;	Sach da	30.21 i
duced fr			Great-	lbs.	0.3	7.0	0.0	0.0	0.5	0.0	:	21	gs to re	alb the sphic the two the the	the net temp	that o	ill be	tries of	from N. neg	om the	od from 6 in. by
Wind as deduced from Anemometers.	Osler's.	General Direction.	P.M.	NNW.&N.	NE.E. &	ESE. & E.	ESE.& Calm.	Calm & ESE.	SSW. & SW.	Variable.	Variable.	30	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 8h. A.M.; noon; 3h. P.M.; and 9h. P.M., The means of the	eye-readings of the barometer, the dry bulb thermometer, and the web bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and of the photographic records made during the twenty years ending 1868 for the thermometers. With the correction mean reading during the twenty years ending 1868 for the thermometers.	of the dry bulb thermometer is coming the mean daily value of temperature of the air and minimum thermometers, forming the mean daily value of the minimum thermometers, forming the mean daily value of the air and degree of humidity are deduced (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-	metrical Tables. The average temperature of the air is that derived from a discussion of the photographic Proports made at Greenwich during the 20 years ending 1888, and that of horizontal movement	of the air from a discussion of the anemometric records for the to years clusure laye.  In reading the columns 9 and 26 it will be borned mind that + indicates "tigher," — "longer," than the average.	The thermometers in the water of the Transmer are Suspendence are a reppured, who test below the surface, at the end of one of the jetties of the Foreign Cathle Market at Deptord, and their residing are registered by the Clerk of the Market, under instructions from the	Orporation to London the Computation of the Research of Rectrometer. The record of Electronic in the record of Electronic in Properties in the Research of Electronic in the Research of E	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggreement duration of bright, sunshine on each day.  The results of all, the meteorological observations are to be understood as applying to the	civil day, or from midinglub to midinglub.  The reading of the burometer decreased from 30-21 in, at the beginning of the week to 30-17 in, and increased to 30-17 in, by moon on the 11th is increased to 30-12 in, by moon of the week.
			A.M.	NW. &	N. N. N. E. &	ESE. & SE.	Calm & ESE.	ESE. ENE.	S. & S3W.	SW. & WSW.	Var	19	f the cistern been applied are usually	the barometrone mean daily phic records nty years en	thermomete thermomet he mean da	s. temperature t Greenwich	a discussion the columns an the averagen	The thermometers in the walthe surface, at the end of one their readings are registered	The record of Electricity symbols employed are:—I	duration of h	of the barom of the barom ie 10th; incr
67		Of the Water of the Thames at Deptford.	Low- est.	48.5	47.4	47.6	8.14	46.9	47.5	47.4	47.5	18	ight of n has b	d into otographe twel	y bulb imum 8). T	metrical Tables. The average trecords made at	r from	ace, at	ecord emplo	umber regate esults	y, or freeading
TEMPERATURE		Of the Jor at Der	High-	48.8	48.5	48.4	9.84	47.6	48.1	48.5	48.3	17	The he	e-reading the pharing t	the drain of min	The a	In res	The the surf	Corporation The recosymptons en	The n	rivil da Ther oy noor
EMPE		Of Radiation.	Lowest on the Grass.	9.98	40.0	28.0	24.2	29.0	37.0	39.1	33.5	16	8			and m		alight t			-
F -			High- est in Sun's Rays.	61.4	59.0	73.0	71.7	57.5	9.98	66.2	6. 49	15		am ou	i.		morning; cloudless fog at night.		e amounts	afternoon.	
- 27		Degree of Hu- midity		68			94	100	68	96	86	14	3KS.	variable ght.	thin rai	illy 'clor	orning og at ni	in morning;	variabl	ri in	
	etween	and Dew Point Temperature.	Least.	0:			0.0	0.0	0.0	0.0	0.3	1 2	GENERAL REMARKS.	Overcast in morning; fine with variable amounts f cloud till evening; overcast at mght.	Overcast generally with frequent thin rain.	morning; generally 'cloudless is. Hoar frost at night.	g in n dense f	fog	Overcast in morning; fine with variable of cloud till evening; overcast at night.	Gloomy	
	Difference between	and Dew Point Temperature.	Great-	0.0			8.4	1.6	11.0	4.8	4.9	12	RAL I	ng; fin	with fi	orning Hoar	lense fo	y; dens	ng; fin	hout.	
- 1			Mean daily value.	0 10			1.8	0.0	3.5	1.2	7 2.1	1	GENE	morni evening	enerally	early n	t and d	generally; dense	n morni evening	throughout.	
ı		Of the Dew Point.	Mean daily value.	0 4				0 45.0		7 49.1	4 44.7	12		reast ir ud till	ercast g	Cloudy in early mosery fine afterwards.	Hoar frost and dense fog in nd very fine till evening; dense	Overcast gen	ercast i	Overcast th	
	AE.		De- parture from Average of		9.9 +	- 1.2	- 2.5	+ 3.0	+10.1	+ 8.4	+ 4.4	0.		Ove of clo	0	Clc	and and	fog s	ಕ್ಕೆ	Osligi	
	TEMPERATURE	lir.	Mean daily value.	, 0,0			39.8	45.0		20.3	46.8	00	in abov lorizon,	9.1	0.6	0.6	6.8	8.8	80 .	80	Sum 62.5
	TEMP	Of the Air.	Daily Range.	0 8						6.9	11.7	-	Registered Sun above Sunshine, Horizon, in hours. in hours.	8.0	0.0	67.2	2.0	0.0	1.4	0.0	6.11 mnS
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	METER.	Mean daily reading	rected and re- duced to 320 Fahren-	in.	30.134	36.186		30.140			30.205	-	ELECTRICITY. (For explanation of symbols, see Note.)	m. P. till afternoon'; w. P. afterwards.	w. P. in mor m. P. afterwards.	m. P. in morning s. P. alterwards.	s. P. generally	v. P. generally	v. P. in morning; m. P. afterwards.	w. P. in morning;	
١		Phases	of the Moon.		:	Greatest	Apogee.	•	Last Or.	:	:	0	EI (For symb	m. P.	w. P m. P. ε	8. P. a.	8. P.	4. P	т. Р.	¥. 7.	wards
			a with	ER.	10	11 01		1 7	12	16	-  '		E.	10	n,	. 12	AY 13	¥. 14	. 15	¥. 16	
		1889.	MONTH AND DAY.	NOVEMBER	Sun.	MON.	. Turn.	Turns	WRT.	SAT.	MEANS	7 5 5 W	DATE. NOVEMBER.	SUMBAY	MONDAY	TURBDAY	WEDKESDAY	THURSDAY	FRIDAT	SATUEDAY	

# WEEKLY RETURN

#### ANDDEATHS IN

#### OTHER GREAT TOWNS. TWENTY-SEVEN

# By Authority of the Registrar General.

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No. 47. 1889. Vol. L. WEEK ENDING SATURDAY, NOVEMBER 23. Price  $1\frac{1}{2}d$ .

> General Register Office, Somerset House, 25th November, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 18.2 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending		C. C. Victor	1	Weeks	ending
Towns.	Nov.	Nov. 9.	Nov. 16.	Nov. 23.	Towns.	Nov.	Nov. 9.	Nov. Nov. 16. 23.
Birkenhead	15.3	12.2	11.7	16.3	Liverpool	20.8	21.1	19.4 18.5
Birmingham	15.8	18.2	16.9	18.0	London			17.4 16.5
Blackburn -	25.0	23.2	19.8	21.5				26.7 24.7
Bolton -	18.7	21.8	23.2	20.9	Newcastle-on-Tyne*	28.2	25.0	24.6 26.9
Bradford* -	18.0	24.6	24.4	23.8	Norwich			13.8 17.1
Brighton -	11.6	15.0	19.3	8.6	Nottingham -	14.7	15.4	13.2 16.9
Bristol -	15.5	16.6	12.1	18.2	Oldham			15.8 15.4
Cardiff* -	13.9	17.6	15.3	10.6	Plymouth	22.0	26.0	23.3 30.7
Derby -	16.4	16.4	13.2	12.7	Portsmouth -	15.1	19.2	14.0 19.6
Halifax -	22.5	22.5	17.4	21.9	Preston	32.0	24.5	28.5 23.0
Huddersfield	15.7	19.7	17.4	20.2	Salford*	16.9	13.6	22.0 18.0
Hull	22.3	19.1	13.0	20.1	Sheffield	19.9	21.0	18.7 18.2
Leeds -	18.8	18.1	19.9	22.6	Sunderland -	22.2	24.9	26.8 26.0
Leicester* -	14.6	18.4	17:3	16.6	Wolverhampton -	21.5	19.0	15.5 20.5

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·1 in Nottingham, 1·3 in Blackburn and Wolverhampton, and 6·2 in Sunderland; from scarlet fever, 1·1 in Salford and in Liverpool, 1·3 in Sheffield and in Blackburn, and 7·3 in Plymouth; from whooping-cough, 1·0 in Hull and in Newcastle-upon-Tyne, and 1.9 in Wolverhampton; and from "fever," 1.0 in Hull. The 50 deaths from diphtheria in the twenty-eight towns included 30 in London, 5 in Salford, 2 in Manchester, 2 in Plymouth, 2 in Halifax, 2 in Sheffield, and 2 in Newcastle-upon-Tyne. Small-pox caused one death in Liverpool, but not one in any other of the twenty-eight great towns.

LONDON.

In LONDON 2517 BIRTHS and 1376 DEATHS were registered. Allowing for increase of population, the births were 214, and the deaths 388, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had increased in the four preceding weeks from 15.7 to 17.4, declined again last week to 16.5. During the first eight weeks of the current quarter the death-rate averaged 16.4 per 1000, and was

3.3 below the mean rate in the corresponding periods of the ten years 1879–88.

The 1376 deaths included 33 from measles, 17 from searlet fever, 30 from diphtheria, 31 from whooping-cough, 22 from enteric fever, 2 from ill-defined forms of continued fever, 17 from diarrhea and dysentery, and not one from small-pox,

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford, and Bradford are under-stated and those for Newcastle-upon-Tyne and Cardiff over-stated.

typhus, or cholera; thus, 152 deaths were referred to these diseases, being 78 below

the corrected average weekly number.

No death from small-pox was registered, the corrected average being 9; only one case of this disease was under treatment on Saturday last in the Metropolitan Asylums Hospitals, and not one in the Highgate Small-pox The fatal cases of measles, which had been 20 and 33 in the two preceding weeks, were again 33 last week, and were 27 below the corrected average; 3 belonged to Pancras, 6 to Clerkenwell, 6 to Bethnal Green, and 8 to Mile End Old Town sanitary areas. The 17 fatal cases of scarlet fever showed a decline from recent weekly numbers, and were 36 below the corrected average; 3 belonged to Shoreditch and 2 to Lambeth sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1620 scarlet fever patients on Saturday last, against numbers increasing in the twenty-one preceding weeks from 559 to 1597; 152 cases were admitted to these hospitals during the week, against 204 and 176 in the two previous weeks. The deaths from diphtheria, which had been 23 and 38 in the two preceding weeks, declined again last week to 30 (including one belonging to the Outer Ring), but were 4 above the corrected average; 2 belonged to Paddington, 2 to Kensington, 2 to Westminster, 2 to The deaths from diphtheria, which had Marylebone, 2 to Pancras, 2 to Shoreditch, 4 to Bethnal Green, 2 to Whitechapel, 3 to Mile End Old Town, and 2 to Lambeth sanitary areas. The 31 fatal cases of whooping-cough showed a decline of 6 from the number in the previous week, and were 5 below the corrected average; 3 belonged to Fulham, 2 to Pancras, 7 to Lambeth, 3 to Battersea, and 4 to Camberwell sanitary areas. The deaths attributed to diarrhea and dysentery, which had been 17 and 16 in the two preceding weeks, were 17 last week, and were one below the corrected average; 13 were of children under the age of five years, including 10 of infants aged under one year.

The deaths referred to enteric fever, which had been 11 and 20 in the two preceding weeks, further rose last week to 22 (including 3 hospital cases admitted from outside Registration London), but were 2 below the corrected average; 2 belonged to Newington, 2 to Wandsworth, and 2 to Camberwell sanitary areas. The death of a child, aged 2 years, was referred to febricula, and that of a female, aged 48 years, indefinitely to continued fever. The Metropolitan Asylum Hospitals contained 121 cases of enteric fever and 10 of typhus on Saturday last; 7 cases of enteric fever were admitted during the week, against 26 and 16 in the two

preceding weeks.

The deaths referred to diseases of the respiratory organs, which had increased in the four preceding weeks from 281 to 321, further rose last week to 328, but were

141 below the corrected average.

Different forms of violence caused 57 deaths, concerning all but two of which (cases of navel-hæmorrhage and of lead-poisoning) inquests were held. Of these 57 deaths, 2 were cases of suicide and 1 of infanticide, while the remaining 54 were attributed to accident or negligence. Two of these were caused by vehicles in the streets, 11 by burns or scalds, 9 by drowning, 2 (including 1 of a worker in a lead factory from lead-poisoning) by poison, and 12 (including 10 of infants under the age of one year) by suffocation.

## GREATER LONDON.

In Greater London 3262 births and 1737 deaths were registered, corresponding to annual rates of 30°2 and 16°1 per 1000 of the estimated population. In the Outer Ring 8 deaths from whooping-cough, 8 from scarlet fever, 5 from diphtheria, and 4 from measles were registered. The fatal cases of scarlet fever included 4 in West Ham sub-district; and 3 deaths from whooping-cough, and 2 from diphtheria, occurred in Croydon sub-district.

# METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30·35 ins.; the highest reading was 30·49 ins. on Monday evening, and the lowest 30·01 ins. at the end of the week. The mean temperature of the air was 44°·9, and 3°·6 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Wednesday and Thursday, but was above the average on each of the other days of the week, especially on Sunday and on Saturday. The general direction of the wind was Easterly, and the horizontal movement of the air averaged 4·8 miles per hour, which was 7·7 miles below the average in the corresponding weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0·13 of an inch. No bright sunshine was registered during the week at the Royal Observatory, Greenwich, or at Glynde Place, Lewes.

· See note on first page of this Return.

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	RAINFALL.		In Centi- metres.	24.	0.41	0.33	80.0	0.55	0.23		8	0.43	1	1.75		•	1 1	1	1 1		0.02	:	06.0	1	0.38		00.0	1.55	1
	RAIN		In Inobes.	23.	0.16	0.13	50.0	0.10	0.00	8	1	0.17	1 1	69.0		•		,	1 1		0.05	1	0.08	3 1	0.15		0.00	0.48	1
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nu ao	100	Mean.	t'ahrenbeit.	21.	45.2	6.44	- 46.7	20.2	46.3	1	ı	44.4	1 1	45.1	1	1	1 1	•	1 1		8.2	1	0.17		42.5	-		45.6	1
A TOTAL	-	.18	theit. Lowe	20.	33.0	0.93	7	42.8	39.0	1	1	22.5	1 1	37.7	1	,	1 1	,	1 1	,	0.0	1	33.0		34.0 4	-   =		28.7	1
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-	-	eaths	From Diseases in Cols, 6-12,	18.	1.6.1	1.8		0.01	0.0	1.1	2.0		0.2	2.7	20	1.0	₹.0	4.7	0.0	1.3		1.3	-	-	0.2		2.5		1
Annual Rate	corresponding	Week's Deaths	From All Causes.	17.	18.2	16.5	9.61	1.41	2.03	18.0		6.91			6.03	7.46			23.0			25.6			0 0.01	-   -		24.5	-
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	1	Dearns	Infants und l Year of Age.	4	803	335	7 0	œ œ	11	43	16	17	0 10	55		33	15	16	13	. 19	19	88	100	18	13		21	3 \$	
	during	, 1889.	DEATHS.	63	3334	1376	53	31 46	80 88	157	48	77	32	215	46	179	42	20	46 36	34	101	155	80	29	88 83		104	164	1
	Registered during	23rd Nov., 1889.	BIRTHS. 1	25.	5603	2517	96	<b>18</b> 24	142	263	113	104	53	341	71	258	77	69	48	4	123	990	118	16	113	90%	311	191	1
-	Donny Amion		middle of the Year 1889.	1.	9,555,406	4,351,738	121,807	94,510	229,361 82,544	454,835	150,520	237,812	102,541	606,562	114,670	978,800	142,405	121,275	104,194	81,080	235,056	857,449	208,017	184,193	112,712	000000	528.144	353,082	
-				Cols.		•		• •	NOL	٠	٠		•	•	•	٠.	•	•	. 0	•	•		•	•	• •	-	•	•	
		CITIES	AND BORUUGHS.		28 TOWNS	London .	BRIGHTON -	NORWICH .	BRISTOL . WOLVERBAMPTON	BIRMINGHAM	LEICESTER *	Nortingham	BIRKENHEAD	LIVERPOOL .	BOLTON -	MANCHESTER SATEORDS.	Огрнам	RM	HULDERSPIELD	HALIFAX .	BRADFORD	SHEFFIELD .	Hell .	SUNDERLAND	CARDIFF.	Enraphedu.	GLASGOW .	DUBLIN	

Table 2. LONDON .- Births and Deaths Registered in the Forty-Seventh Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88,*	1889
Тота <b>L Births</b>	2374	2432	2401	2709	2482	2409	2422	2462	2632	2722	2731·1	2517
Males	1199	1248	1221	1352	1310	1198	1243	1302	1365	1354	1895·0	1301
Females .	1175	1184	1180	1357	1172	1211	1179	1160	1267	1368	1336·1	1216
TOTAL Deaths  Males Females .	1760	1521	1600	1681	1670	1521	1610	1543	1862	1409	1764·0	1376
	889	747	790	865	834	816	810	810	951	716	897·2	690
	871	774	810	816	836	705	800	733	911	693	866·8	686

The numbers in this column are the average weekly numbers in the forty-seventh weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

1 ABLE	3. HONDON:-B					_	MOLO							
		Aug. 31.	Sept.	Sept.	Sept.	Sept. 28.	Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.	Nov.	Nov. 9.	Nov. 16.	Nov. 23.
TOTAL	Births	2425	2373	2432	2344	2504	2364	2595	2518	2580	2623	2658	2522	2517
TOTAL	Deaths - · -	1263	1170	1236	1267	1361	1381	1321	1410	1310	1317	1350	1451	1376
Ages at Death	0—20 years - 20—40 ,, - 40—60 ,, - 60—80 ,, - at 80 years & upwds.	569 172 235 240 47	535 151 219 216 49	583 164 207 233 49	599 157 248 216 47	644 186 244 245 42	630 201 230 261 59	581 187 227 263 63	590 209 274 272 65	562 163 250 283 52	599 200 209 253 56	606 181 245 265 53	667 188 254 265 77	661 176 259 225 55
99	Under 1 year - 1—5	331 156 82	306 141 88	313 204 66	332 182 85	386 165 93	376 172 82	321 175 85	320 187 83	276 200 86	323 212 64	310 209 87	348 285 89	395 233 93
violent Inquest Deaths i TEMPER Mean Mean Mean Humidi	Cases	12 17 32 21 - 12 - 78 1 173 148 149 93 335 60 2 73 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	69·1 55·2 88	10 17 41 18 - 19 2 68 - 175 152 187 102 49 101 316 68·0 74·6 65·8·8	3 25 44 26 - 11 1 73 1 184 142 157 110 54 96 324 41·6 74 0·25	80	56·7 43·8 89	18 15 85 14 1 16 - 28 - 122 264 129 127 50 99 314 42 6 82 0 57	23 25 41 26 1 11 2 2 2 2 2 151 800 184 115 57 112 332 49·4 457·8 88 0·70	177 277 377 222 1 1 211 15 - 141 115 49 101 319 46 7 53 7 41 5 5 94 1 0 7 5 7 5 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	22 20 31 21 - 19 - 17 - 130 300 125 104 59 123 309 47.3 54.0 41.4 88 0.78	1 20 28 28 24 - 11 - 17 1 120 318 141 122 51 97 313 40 8 90 0 0 26	38 24 38 37 1 20 - 169 321 154 121 65 122 363 46.8 52.7 41.0 93 0.01	
	red Sunshine (in hours)	53.9	22.6	43.4	40.2	17.4	10.0	31.1	17.3	8.1	23.1	3.9	11.9	0.0
			-	_							_			

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolver-hampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-ham; J. Hartnup, Esq., F.R.A.S., Liverpool: H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., P.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunder!and; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the FORTY-SEVENTH Week of the Year 1889.

				E	ORI	Y-S	EVE	NT	H W	Teek of the Year 188	9.								
	the	Sa	turd	the	We 3rd 1	ek ei Vove	ndins mber	188	9.		the	10.	£11=2	In th	e W	eek e	ndin	g 1000	
	for 0 ye	The Week ending Saturday, 23rd November 1889.  Deaths of Persons of the Ages  Under									for the	-	turd						-
	ine i	-									Averages in the 10 1879-88.*			t t	he A	Lges	ns of		
CAUSES OF DEATH.	rer of t		Į	Jnde:	r	r 40.	r 60.	r 80.	Bud	CAUSES OF DEATH.	of the		1	Unde	r	40.	60°	80.	Bud
Onesdes of District		AGES.	-	20.	_	under	under	under	ds.	V 1		100 140	-	20.		under 40	under	under	
111111	rected h We		١.		00	an i u	anı u	a pue	u lears	*	ecte W	AGES	١.				in pi		" Years
	Corre	ALL	0-1	1-6.	5-20	20 B	40 a	60 a	98		Corrected 47th Wee	ALL	0-1.	1-5.	5-20	20 and	40 and	to and	11.11
ALL CAUCEC		Lan	1	1	1	1	1	1	I			1	1			1			~
ALL CAUSES	1764.0	1376	335	233	93	176	259	225	55	Diseases of Organs of } Special Sense † }	1.7	2	1	-	1	-	-	_	
Small- (Vaccinated; -	) (	-	-	-	-	-	-	-	-			-	-	_	-		-	-	-
pox Unvaccinated No Statement	8.2				-	-		-	-	Diseases of Circulatory	124.5	113	2	2	9	16	36	42	6
Measles	60.2	83	2	30	1	_	-		-		-	-	-						-
Scarlet Fever	52'9	17	-	13	4	-	-	-	-	Bronchitis	17·4 287·2	195	61	46	ī	5	28	43	nī
Typhus	0.5			**	-	-	-	-		Pleurisy	120'7	94	29	28	4	11	14	7	1
Relapsing Fever † Influenza	0.3		-	-	-			-		Other Diseases of Respi- ratory System}	38.6	26	3	5	1	-	6	11	-
Whooping-cough	36.2	81	10	20	1	-	-	-	-					-		-	-		-
Diphtheria	26.3	30	2	19	9	-	-	-	-	Dentition † Quinsy, Sore Throat † - Enteritis	8.1	12	8	2	ĩ	-	-	-	-
Simple Continued and } Ill-defined Fever - }	2'1	2	-	1	-	-	1	-	-	Peritonitis	8.0	9	6	-	3	1 2 1	2	2 6	-
Enteric Fever Cholera	0'4	22	-	-	11	10	1		-	Diseases of Liver - Other Diseases of }	29.7	19 20	2 3	2	1	1 2	10 7	6	1
Diarrhea, Dysentery	18.0	17	10	8		1		8		Digestive System -}					_				_
Remittent Fevert	0.3			-	-	-	-	-	-	Diseases of Lymphatic)	0:0								
Hydrophobia Glanders	0.0		-	-	-	-	-	-	-	System & of Ductless Glands †	2.6	2	1	1		-	-	-	-
Cowpox and Effects of	0.0		1					-		Discours				-	-	-			-
Vaccination †} Venereal Affections -	10.4	13	12					-		Diseases of Urinary System }	41.8	30	1	-	1	6	12	10	-
Erysipelas	8,0	6	2	-	1	1	1	1						-		-	-	-	
Pyæmia and Septicæmia †	8.3	3	-	-	~	2	1	-	-	Diseases of Generative	5.8	8	-	-	-	5	3	-	-
Puerperal Fever	8.3	7	-	-	1	6	-	-	-	Accidents of Childbirth -	3.9	6	-	_	_	4	2	-	
Other Zymotic Diseases †			-	-			_	_		Diseases of Locomotive )	9.0	11				1	3	2	
Thrush	1.3	1	1	-		-	-	-	-	System +}			_	2	3	_	_	_	_
Worms and other Para-}	0.2	-	-	-	.7	-	-	-	-	Diseases of Integumen-	8.1	1	1						
							-			tary System}				_		_	_		
Starvation, Want of Breast-milk †}	1.7	1	1	-	-	-	-	-	-	***************************************									
Alcoholism	3'7	3	_	-	-	1	1	1	-	VIOLENT DEATHS.§			1						
Rheumatic Fever,	9.3									(Accident.) Fracture and Contusion	20.4	18	3	8	1	3	3	4	1
Rheumatism of Heart† }	1.4	4	_	-	2	1	1			Gunshet Wound Cut, Stab	0.5	ī	-	-	-	-	1	-	-
Gout	3.6	3	-	-		-	1	2		Burn and Scald Poison	8°2 2°1	11 2	1	5	2	ĩ	-	2 -	-
Rickets†	4.1	3	-	3	-	-	-	-		Drowning Suffocation	6.1	9	10	1	1	5	3	-	-
Cancer Tabes Mesenterica -	57·7 28·4	56	-	-	1	6	23	19	2	Otherwise	2.5	1	1	-	-	-	-	-	-
Tubercular Meningitis -	24'8	16 16	10.	5 7	3	1	-	-		(Howaran)									
Phthisis	181'5	169	3	2	11	78	64	11	-	(Homicide.) Murder & Manslaughter	2.1	1	1	-	_		-	-	
Scrofula, Tuberculosis -	16.4	16	5	4	4	1	-	1	1					-		-	-		-
Diseases †}	12.0	11	1	-	1	-	4	5	-	(SUICIDE.)									
Premature Birth	38.9	39	89							Gunshot Wound Cut, Stab Poison	1.6	-	-	-	-	-	-	-	-
Atelectasis +	2.1	2	2	-	-	-	-	-		Drowning	0.8	1	-	-	-	ĩ	-	-	-
Congenital Malforma-	8'4	3	2	-	1	-	-	-	-	Hanging Otherwise	0.9	1 -	-	-	1	-	-	-	-
Old Age	50.7	36	-	-	-	-	-	14	22				-	-	-		-	-	-
Anonleye	4400	-		-			-			(EXECUTION.)									
Apoplexy Epilepsy	6.9	28	_	-	1 2	2	10	12	3	Hanging	0.0		-	-	-	~	-	-	
Convulsions -	50.1	40	87	3	-	-	-	-	-										
Other Diseases of Brain }	82.8	65	15	8	6	1	13	15	7	OTHER CAUSES †	58*4	'47	40	4	1	-	1	1	-
• The numbers in this							1							)					

As the ten years average could not be correctly ascertained the average for the correct page 1879-88, raised by \$'046 per cent, for increase of population As the ten years average could not be correctly ascertained the average for the correctly assertained.

<sup>1</sup> Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated," which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

1 The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are slassed under "accident or negligence."

TABLE E. LONDON. -- FORTLATION; BIETHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

								_	-						_	CCK	endi	пу
							The	DBA		Death		_	Wee	KILE	nde			
(mt0)*	Enume-			Deat	-					-	is iro						blie	8081
REGISTRATION SUB-DISTRICTS.	Fopu- lation, 1881.	Total BIRTES	Total DEATER.	Infants under Year of Ago.	Persons aged 60 Years & upwds	Small-pox.	Measies.	Soarlet Fever.	Diphtheria.	w hooping-cough	Typins.	Enterie (or Typhoid) Fover	Simple con-	Diarrhoa.	Violence.	Inquest Cases.	Deaths in Publinstitutions.	Uncertified Causes of Death.
FONDON	3,815,704	2517	1376	335	280		33	17	30	31	-	22	2	17	57	114	315	12
WEST DISTRICTS  NORTH DISTRICTS  CENTRAL DISTRICTS  EAST DISTRICTS  SOUTH DISTRICTS  METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON  WEST DISTRICTS.	669,688 905,947 282,288 692,788 1,265,148	352 599 139 473 954	239 299 91 267 478 2	63 74 18 59 121	41 66 19 50 104	1 1 1 1 1	2 6 4 18 3 -	1 5 1 2 6 2	5 9 4 6 6	7 4 1 2 17 -		3 4 4 4 7 -	1 1 -	5 3 - 3 6 -	5 14 5 12 21 -	16 27 9 27 35	62 82 30 61 78 2	2 - 8 -
St. Mary Paddington WHH G.J. &W.M. St. John Paddington H - G.J.		47	31 7	11	6 2	-	-	-	1	1	-	1	-	1	-	5 - 2	5 2 13	1
Rensington Town Ww - W.M. & C. Brompton H - W.M. & C.	120141 43010 7599	33 21 6	39 9	9	9	-	-	-	-	- 1	-	1	-	-	- 2	1	3	-
St. Peter Hammersmith H W.M. & G.J. St. Paul Hammersmith H W.M. & G.J. Fulham Www - W.M. & C	64340 42900	51 60	32 39 8	11 18 3	3	-	ī	1	1	3 -	-	-	-	1 1	-	8 1	3 5 2	1 1 1
Chelsea North-west WHHHHH-C. Chelsea North-east	24925 32807	20 13 20	15	1	3 -	-	=	-	-	1 -	-	-	-	-		- 1	9 - 6	1
May Fair WW G.0.  Belgrave WHHH C.  St. John Westminster HHH - C.  St. Margaret Westminster H - C.	30353 59220 35496 24679 29941	10 18 17 9	11 13 10 8 6	1 1 1 3 3	4 3 2 2	11111	- - 1	11111	1	1111	1111	1		11111	ī -	1	7 4 2 1	11111
St. Anne Sono Hannana	16608	11	4		2			-		_				-	1		10	
All Souls Marylebone HHHHHH W.M. Cavendish Square HHHHH - W.M. Rectory Marylebone WH St. Mary Marylebone HHH G.J. & W.M. Christchurch Marylebone HH St. John Marylebone H - W.M.	24809 21118 33700 33633	11 5 9 21 19 16 28	13 2 5 10 15 6 18	1 3 8 - 7	3 3 3 2	11111	111111	- 1	5	11111	11111	111111		1 1 1 1 1 1	1		1 2 - 8	11111
Regent's Park Pancras   H - W. M.		25 13 17 20 14 65	11 17 15 5 10 31	2 2 5 2 2 9	4 5 1 2 6 5		1 2 1	111111	111111	2		2 - 1 -			1 2 2	2 2 8 2 2 4	12 7 6 5	111111
Upper Holloway WWwH - N.R. Islington South-west HH - N.R. Islington South-east - N.R. Highbury H - N.R.	52048	63 70 45 26	31 25 12 15	5 12 2 5	6 1 3 4 1	1111	1	1111		1 -	=	1		1	2 - 1	3 1 1 1 1	13 - 2	
Stoke Newington H	9277 87610 76911	15 12 26 54 25	4 6 8 33 7	1 1 7 2	3 8 1	1111	1		4	1				1	11111	1 - 4 -	1 15 -	11111
St. George Bloomsbury - N.R. St. Giles South WH - N.R. St. Giles North - N.R.	18681 14864	9	1 6	1	1 2	:	-		-	=	-	-	:	-	-	1 -	2	
St. Giles North N. & St. Martin-in-the-Fields HH N.R. & C St. Mary-le-Strand H N.R St. Clement Danes H - N.R Strand Union Workhouse, Edmonton vo.	17508 7515 8559	4 4 1 1 -	7 2 5 3	1 - 1 -	2 2 - 2					1.	1 1 1 1	1			1 1 1 1 1	1 1 1 1 1	4 - 3 2	1
St. Geo the - Martyr HHHHHHH N.R.	18671 10706 6588 17516 19281 14773 17506 11641 18628 2217 7468	-	11 8 1 6 2 4 5 2 2 2 2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3	1 1 1 1 1 1 1 1 1 1	3		111111111	11111111111		111111111	1	1	5	
St. Botolph   H   - N.R.&E.	7193 5358 8396 13666	1 - 5	164	1 -	1 -	111111	111111	1 -	1	11111	11111	2 -	111111	11111	3 - 1	1 -	13 -	1

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; w—A Workhouse Establishment receiving inmates from other Districts than that in which it stances, see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies Grand Junction Company; W.M. West Middlerex; C. Chelsen; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L., East London, and K., the Kent Company.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRIGA, VIOLENCE, &c., registered in each Sub-district

urday, the 23rd November	r, 1889	).																	
								The	DEA	TH8 1	ogiste	ered i	n the	Wee	k incl	lude			
	1	Enume-			Deat	hs of				1	Death	s fron	1				1		
REGISTRATION SUB-DISTRICTS.	;	Population, 1881.	Total BIRTHS.	Total DEATHS.	Intants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS.  blywell Shoreditch - N.R. 8. Leonard Shoreditch HL*: - xton New Town xton Old Town aggerston WH - N.R. 8.	E.L. N.R. N.R. N.R. E.L.	7376 14967 29937 28036 46275	3 5 35 24 28	.2 4 12 8 17	1 4 1 6	1 2 4	11111	2 -			11111	1111	11111	11111	1	11111	- 1	1 4 4	1111
thnal Green North H thnal Green East WHL* -	E.L. E.L. E.L.	51157 34399 41405	45 16 25	28 13 24	4 3 8	8 2 4	111	2 3 1	1 1 1	2 1 -	1 -	1.1.1	- 1	111	111	1 -	2 -	1 8	111
italfields E.I., & ile End New Town W ile End New Town W	E.L. N.R.	22585 15478 17490 9713 6102	9 15 13 5 8	5 4 17 - 2	1 -	1 2 2 -	11111	-1	1111		11111	11111	1	11111	11111	3 -	1 4 -	3 11 -	
. John, St. George East W -	E.L.	88747 8410	23 7	8	2 -	3	Ξ	-	-	1 1	1 1		-	-	1 1		ī	6	-
adwell HH E.L.& stelliff	E.L. E.L.	10395 16107 82041	10 25	7 11	1 2 4	4		ī	-		1 1 1	1 1 1	1		1 1 1	1,	1 1	2 -	1 1 1
ile End Old Town West ile End Old Town East WwwH-	E.L.	37960 67653	25 40	13 34	1 5	3 2	-	6	ī	1 -	1 -	-		-	-	1	1 3	7	-
ow L*	E.L. E.L.	37074 64359 55077	27 46 89	10 33 18	4 11 -	2 10 5	-	1 1 1		111	1.1.1	111	111	ī	- 1	2 3	<b>2 5</b> 3	13	1 1 1
t. Saviour Southwark	S. & S. & L. & S. & L. & S. & L. & S. & L. & S. & S	13663 14999 21381 15958 21318 26672 59555 21623	9 9 17 17 10 14 31 15	3 1 7 7 2 3 27 5	2 - 6 4 - 1 7 -	1 - 8 1	1111111	111111	1111111	1111111	1111111		1	11111111		111111	1 1 - 1	1117114	1111111
t. Olave WH S eather Market S t. Mary Magdalen W t. James Bermondsey otherhithe WH S	S. & L. S. S. S. & K.	11956 16300 15669 54682 86024	10 15 16 36 23	18 5 7 14 14	4 1 4 3 4	1 1 1	11111	1	1		1 -	1111	11111	11111	-	3 - 1 - 1 - 1	1	9 - 4	11111
Vaterloo-road 2nd H - 1 ambeth Church 1st H - I ambeth Church 2nd WW - I ennington 1st - 8	. & S. . & S. . & S. . & L. . & L. . & S.	15195 16351 19876 39859 45232 85382 62887 19017	6 15 9 32 40 29 87 15	4 6 16 27 19 12 23 3	- 4 1 5 3 5 1	7 10 4 6	1111111	-	11111111	- 2	1 - 4 - 1 1	1111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1	1 3 1 1 1 1 1	31 - 2 -	12 10 -	1 2 1
ast Battersea WwH	8. 8. 8. 3. H.	54675 52587 36380 28004 13235 25553	41 63 21 28 5 19	17 19 9 8 1	8 3 1 - 1	2 2 1 3 - 3	11111	11111	11111	- 1	1 2	111111	1 1	111111	1	- 1	111		111111
amberwell $W w L^* L^* - S$ eckham $W - S$ S. L.	. & S. . & L. . & K.	5590 59104 71089 50810	2 39 61 46	33 32 25	2 12 10	14 5 5	=	1		ĩ -	1 3	1111	1 1	1 1 1 1	ĩ -	- 3	- 6	15	1
Paul Deptford ww	K. K. K.	76752 7901 21972 24608	66 8 15 17	37 8 4 16	7 - 2 2	4 - 1 8	1111		4	1 -	-111		1111		1 -	3 - 2	5 - 2	7 11	1 -
ltham H	K.	5048 21559 19865 26076	1 4 22 27	- 4 7 6	2 - 1	1 6 2	1111			1111	1111				1	1		3 -	
nariton HH	<u>K</u> .	10930 17617 19048 14009 19241	6 11 13 6 28	3 2 6 3 11	1 3 1 3	2 2			11111	11111	1			-	1111	- 11	1 2 -	2	1
fetropolitan Asylum Hospitals: Dartford w Winchmore Hill w	: :	Ē		2 -					2 -	-		111			-	111	111	2 -	111

following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the Table by w:-

Stepney Workhouse in Bromley sub-district.

Popiar & Stepney Sios Asymm
Westmuster Union Industrial Sensol in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Infirmary in Camberwell sub-district.

Metroponium Asymm District flux states in Funnan, Hampstead, Hackney, Britton, and St. Paul, Deptord sub-districts, and in Dartford,

Edmonton, and West Ham sub-districts outside Registration London.

Marylebone Infirmary in Kensington Town sub-district.

Central London Sick Asylum in Tottennam Courte-road sub-district.

Holborn Infirmary in Upper Holloway sub-district.

Holborn Infirmary in Upper Holloway sub-district.

Holborn — How Infirmary in Upper Holloway sub-district.

Holborn — How Infirmary in Upper Holloway sub-district.

White End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

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B fille End Old Town Eastern sub-district

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the Week ending Saturday, 23rd November, 1889.

	20217/021	901311	V	Veek	endin	g Sat	urday	, 23r	d No	vemb	er, 1	889.						
Regis-		Area							The D	EATHS	registe	ered in	the V	Veek i	nelude			{
cration		Acres,	Enume-			Deat	hs of				Deaths	from						19
District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Fores shore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Moasles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Ferer.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Public	Uncertified Causes of Death.
-						_	-											
LOI	DON-OUTER RING	370,924	950,957	745	361	97	93	-	4	8	-5	8	2	5	14	24	35	3
80:1	Carshalton wL -	12228	21118	7	13	2	3	-	-	-		2	-		-	-	9	9
2	Epsom (part of) WwH	9971	10710	5	6	1	2	-	-	~	-	-	-	~	^	2'	2	200
37:1	Godstone (part of) * -	2754	1235	-	-		-	-	-	-	-	-	-	-	-	-	-	1.8
38:1	Croydon WwEHI - Mitcham w†	20851 11697	101241 17932	83	41 3	11	9	-	-	-	2 -	8 -	-		4	5	5	at a
89:1	Wimbledon HHH -	3220	15950	10	6	3	3	-	-	1	-	-	-	-	-	-	2	1
. 2	Kingston WHH	8549 6601	36354	24	11	2	3	-	-	-			-	-	1.	1	-	3.5
4	Esher (part of) * - Hampton H	4573	9221 13589	9	1 2	1 -	1	-		-	-	-	-	-	440	-	-	. 2
40:1	Richmond WH	2272	21802	8	- 5	3	-	-	-	-	-	-	-	~	-	-	in in	300 140 1
2	Mortlake	2941	12331	Б	5	1	1		-	-	-	1	-	-	-		-	100
47:1	Bromley (pt. of) * HH Chishrst(pt. of) * WHH	15669 14307	31142 15844	25 8	8	1 2	1 4	-	1	- 1	-		-	1	-	-	2	SATA
42:1	Bexley H Dartford (Ww, pts. of)*	18487	24184	20	10	-	. 4	-	-	1	-	-		-	1	1 -	-	1
124: 1	Sunbury w	11055	11685	13	4	1	2	-	-	-	-	-	-	-	-	-	-	- A cho
2	Staines W	13277	12089	10	.2		1	_		,	1	~					1	
125:1	Hillingdon WHH - Uxbridge	6029 6178	10802 5225	9	1		_			_	1	_	Ī		_	. =	-	4
8	Hayes wHL	14587	11523	5	3	~	8	-	I-I	-	-	-	1 -	-	-	-	-	7
126: 1	Isleworth WHH -	7008	22727	15	10	2	. 3		-	~	-	~		-	-	-	2	43
3	Twickenham H Brentford HL	2477 4845	12479 27649	3 24	7	2	1	-	1	-	-	-	~		-	_	1	175
4	Chiswick	1340	15975	10	4	3	1-	~	-	1 -	٠ ـ	-	-		~	1	-	2.6
5	Acton wH	6088	22876	17	6	4	1	. ~	-	-	-	-	-	1	-	-	-	1.0
127:1	Harrow H Edgware H	13809 6994	12796 3749	10 2	1		1	_	1	_	_	_	-		1 -	1	-	1 11 11
8	Willesden	4383	27453	37	.9	4	3	-	-	-	-	-	-	-	-	-	-	D
4	Hendon W	8382	10484	5	. 3	2	1	-	-	-	-	-	-	1		-1	2	10
137:1	Bushey Watford (W, pt. of)* -	9331	6621	. 5	3 -	1	1		-	-	-	-	-	-	-		-	2
128:1	South Mimms	15599	6391	3	4	1	2	-	-	_	-	-	-	-	-	-	-	-
2	Barnet	5488	10092	2	1		-	-		-	-	-	-	-	-	-	-	37%
3	Finchiey HL	4688	17615	13	9	1	4	-	-	1	-	-	-	-	-	-	2	2
135:1	Hatfield (part of) * - Hornsey H	3306 3039	37078	23	12	4										1		0
2	Tottenham H	4642	46456	58	27	8	7	-		1	-	-	1	_	2	4	2	1
8		7483 12653	23468	25	4	-	1	-	-	-	-	-	-	-	-	-	1	-
5		11017	19104	1	7 2	1	2	-	-	-	-	-	-	-	1	1	-	1
6	Cheshunt	8480	7735	-	8	1		-	-	-	-	-	-	1	-	1	-	1
186:1		882 7351	38606 101053	23	9	2	3	-	-	1	-	-	-	-	2	-	-	1
3		4372	32430	98	58 24	6	8 5	-	1 -	4	-	1	-	-	1	3	4	1
1	1	6520	28869	41	18	2	7	-	1	-	-	-	1	-	-	-	-	4
187 : 1		11761	9869	6 -	4	-	1 -	-	-	-	-	-	-	-	1 -	3 -	-	
189: 1	Romford (part of) * W		3411	1	-	-	-	-	-		_	-	_		-	-		
	Barking Town	8493	7645 9203	10	2 4	-	1	-	-	-	1	-	-	-	-	+	-	1
-	Larring Town	11.41	9203	10	4	2	-	1 -	-	-	1 -	-	-	1	-	-	1	1 .60

<sup>•</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows:

30:2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3. Esher sub-district, except the parish of Esher (pop. 1983); 41:1, Bromley sub-district, except the parish of Godstone sub-district (pop. 1818); 41:2. Chisleuries sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hatidle sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pon. 875): 189:1, the parish of Dagenam in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

<sup>‡</sup> Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5). 
§ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).- DEATHS and Rate of Mortality during the Week ending Saturday, 23rd November, 1889.

	Агеа			L RATE			The DE	ATHS	regi	stered	l in t	he W	eek i	nelud	le	
GREATER	in Acres,	Estimated		D living.	DEATHS	Dent	hs of			1	Death	s fro	na			Public jons.
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœa.	Violence.	Deaths in Pu Institution
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	
EATER LONDON	448,334	5,642,015	16.1	1.7	1737	432	373	-	37	25	35	39	26	22	71	350
INNER LONDON - OUTER RING -	77,410 370,924	4,351,738 1,290,277	16·5 14·6	1·8 1·3	1376 361	335 97	280 93		33	17 8	30	31 8	24	17 5	57 14	315 35

ote.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,681,747 Persons.

	POPULATION				ANNUAL	D	EATH	FROM	PRIN DISEAS	ES.	ZYMC	
CITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive	DEATHS. of Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrheal Diseases.
LCUTTA	433,219	October 5	1			A COLUMN TO A COLU			-	1		-
MBAY	773.198	22	322	403	23°1	-	3	9	2	9	112	441
ADRAS	398,777	22 4	310	300	39.0	1	6	5	5	5	74	68†
RIS	2,260,945	November 16	1171	917	21.1	1	10	. 3	33*	4	20	69
ussels h 8 Faubourgs.)	471,606	* 16	250	176	19.4	-	-	-	2	-	2	19
ISTERDAM -	403,083	,, 16	242	136	17.7	-	5	-	4		1	_
TTERDAM -	197,723	,, 16	160	73	19.1	-	-	-	1			-
B HAGUE -	153,440	" 16	113	44	14.9		-	-	1	1		
PENHAGEN -	307,000	, 16	200	105	17.8	-	1	1	12	3	1	1
OCKHOLM -	228,218	n 9	125	73	16.6	-		4	3	240		4
BISTIANIA -	138,300	,, 16	38	57	21.4	-	6	1	10	2	-	4
PETERSBURG	842,883	" 2	-	433	26.8	-	14	24	5	6	11	41
RLIN	1,489,672	,, 2	911	515	17.7	-	1	9	25	14	5	40
MBURG(State)	575,276	,, , 9	363	205	18.6	- 1	-	-	14*	2	3	15
ESDEN	264,196	" 9	155	100	19.7	3	4	-	8*	?	1	-
EBLAU	315,000	,, 16	214	146	24.2	-	-	2,	· 14*	4	-	9
JNICH	281,000	,, 9	226	112	20.7	-	-	-	. 8*	2	- 1	21
ENNA	811,434	"	515	306	19.6		11	3	2	-	1	24
AGUE	304,356	,, 9	-	149	25.5	2	5	5	7	3	3	5
DA-PESTH -	452,907	<b>9</b>	315	234	26.9	-	1	2	12	-	8	22
IESTE	158,084	9	-	60	19°7	-	-	- 1	4*	-	-	-
ME	407,936	September 28					-	1				
IRIN (10 days)-	306,398	October 20	261	168	20.0	ige.	1	- 1	2		5	27
NICE	154,369	November 9	65	83	28°1	21	-	-	2*	-	1	8
TRO	374,838	October 31	432	337	46*9	-		-	2*	-	19	119
EXANDRIA -	231,396	,, · 31	220	184	41.5	1	-	1		-	14	52
W YORK -	1,571,300	November 2	_	618	20.5	- 1	-	4	15	6	16	25
OOKLYN -	834,607	,, 2	-	295	18.2	-	-	1	29	1	8	7
ILADBLPHIA -	1,040,245	,, 2		399	20.0		1	9	10	-	16	6
LTIMORE -	500,343	2		158	16.5	_	-	3	6	1	3	6

<sup>\*</sup> Including deaths from croup. † Including 3 deaths from cholera in Bombay, and 8 in Madras.

TABLE 9.-METEUROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, November 23rd, 1889. [Under the Superintendence of the Astronomer Royal.]

									27.	leteu	70109	jieu	1 008	ervati	0768.						-
		Ozone.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	a; no	r, are	aximum the air deduced Hygro-	aphic	" and	and the	The ;	show to the	40 in.
Rain	in a	Gauge whose receiving	surface is 5 inches above the Ground.	in. 0.00	10.0	00.0	00.0	00.0	00.0	0.15	Sum 0.13	26	of the sea;	nomete n a discu arometer mean rea	the maxing of the sher's H	photogr tal move	higher,	two feet below Deptford, and tions from the	rometer.	rument,	eek to 30
		on's.	Depar- ture from Average of 16 Years.	Miles.	-205	-193	-230	-197	-118	-139	Sum -1287	25	an level o	bulb they uced from for the b	dings of mperatu numidity by Glait	on of the	dicates	of tal	ng Elect	Sunshine Instrument, shown derstood as applying to the	of the w
rs.		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	94	107	7.1	104	182	160	Sum 811	2.4	ve the mes vel.	d the wet bulb thermometer, and ections deduced from a discussion adding 1873 for the barometer, and With the corrected mean reading	of the readline of the egree of l	discussion distribution	that + in	are suspended at a depth of two feet be the Foreign Cattle Market at Deptford, the Market, under instructions from	s self-registering Electrometer. The weak; m. moderate; s. strong; and	Stokes Sunshine Instrument, show to be understood as applying to the	beginning
momete		he.	Mean of 24 hourly obs.	1bs.	0 0	0.0	0.0	0.0	0.0	0.0	:	53	et abor sea ler P.M.:	er, and corrected ars en	ily valand d	from a 1868, an	mind	spende reign farket,	n's sell	- C	at the
om Ane		Pressure on the Square Foot.	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	23	159 fe uce to n: 3h.	nometion of	rected an da ature	rived	rne in	the Fo	homsoive; w	Samph Sh day tions a	.41 in.
uced fro		Press	Great.	lbs. 0.2	0.0	0.1	0.0	0.0	9.0	9.0	:	21	to red	o therr pplica he twe	he corriber me bernper	hat de	be bo	hames es of erk of	rom T	on each	rom 30
Wind as deduced from Anemometers.	Osler's.	irection.	Р.М.	ENE. & SE.	ESE,	ESE.	ESE. & SE.	SE. & ESE.	SSW. & S.	SSW. & SSE.	ESE.	20	of the barometer is 159 feet above the mean level of othe readings to reduce to sea level.	the dry bullades by the a nade during t	s, forming to dew point of the dry	f the air is turing the 20	and 25 it will	ater of the T of the jetti d by the Cl	is derived from Thomson's self-registering Electrometer, positive; N. negative; W. weak; m. moderate; s. strong	ght sunshine	o midnight. er increased f
		General Direction.	A.M.	Calm & ENE.	SE. & ESE.	ENE. & ESE.	SE.	SSE. & SE.	Calm & SSW.	S. & SSW.	SE. &	19	The height of the cistern of the barometer is 159 feet above t correction has been applied to the readings to reduce to sea level. Observations are usually taken at 90. A.M.: 10001; 3h. F.M.: an	Conserved and the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and described the parameter and the parameter and the parameter and the parameter and the parameter and the parameter and the parameter and the parameter and the parameter and the parameter and the parameter and the parameter and parame	of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily white of the meaning the mean daily when of the perfect column 8). The mean daily dew point temperature and degree of humdity are deduced from the mean daily values of the dry and wet bulb thermometers by Chasher's Hypro-	terrical Tables. The average temperature of the air is that derived from a discussion of the photographic cords made at Greenwich during the 20 years ending 1968, and that of horizontal movement	of the air from a discussion of the anemometric records for the to years chaing 1870.  In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and "langua" than the greener.	The thermometers in the water of the Thames are suspended at a depth the surface, at the end of one of the jetties of the Foreign Cattle Marke their readings are registered by the Clerk of the Market, under institute	Corporation of London.  The record of Electricity is derived from Thomson.  The record of Electricity is derived from Thomson.  The record of Electricity is derived from Thomson.	The numbers in column 29, derived from the Campbell- the aggregate duration of bright sunsitine on each day. The results of all the meteorological observations are	The resulting of the burnonster increment from 30°41 in. at the beginning of the week to 30°42 in. The resulting of the burnonster increment from 30°41 in. at the beginning of the week to 30°42 in. The resulting of the burnonster increment from 30°41 in. at the beginning of the week to 30°42 in. The resulting of the burnonster increment from 30°41 in. at the beginning of the week to 30°42 in.
63	Wotow	hames ford.	Low- est.	47.8	6.4	47.7	47.4	6.94	46.4	46.2	47.2	18	cht of	into itograp	bulb t mum s). Th	l'ables. grage t	from a	rmom se, at t	cord o	mbers gate d	or fro
TEMPERATURE	Of the	of the Thames at Deptford.	High-	48.6	48.0	48.6	46.3	47.8	9.44	47.3	48.5	17	he hei	readin verted he pho	he dry mini numn 8	metrical Tables. The average to records made at	he air n read	he the surfacir rea	Corporation The reco	the nu aggre	il day,
MPER			Lowest on the Grass.	47.0	43.0	70.5	38.5	35.0	29.3	87.9	38.7	16	Loo	con of t	of t	rec	of t	the		£ ;	
I	:	Of Radiation.	High- est in Sun's Rays.	0.62	4.49	25.0	46.8	6.19	55.3	1.89	26.9	15							variable	oh. A.B	
	Degree	of Hu- midity (Satu-	ration equals 100).	- 66	96	98	84	96	66	92	76	14	υž		t rain.			; ?	with	st from en 4h.	
veen	_		Least.	0.0	0.0	20 61	2.3	0.0	0.0	0.0	2.0	18	MARK	ling.	al sligh				ng; fine	overca	
nce betx	the Air Temperature	Temperature.	Great-	1.8	6.7	9.9	8.9	3.7	2.2	4.4	4.1	12	L RE	in mor	Occasional slight rain.				l eveniu	rning;	ight.
Differe	the Air	Tem	Mean daily value.	0.5	1.1	90	5.4	1.5	0.5	1.4	1.8	11	GENERAL REMARKS.	Slight fog in morning.		ally.	ghour.	5	overcast till evening; cloud afterwards.	arly mo	ole at n
	Of the	Dew Point.	Mean daily value.	49.7	9.24	9.88	36.2	2.98	1.24	49.8	43.1	10	GE		st generally.	st generally.	Overeast throughout.	, 43 62	illy over	ass in e	; varial
E.			parture from Average of 0 years.	0 %	+ 5.5	+ 1.0	9.0 -	- 3.8	+ 4.5	+10.5	+ 3.6	6		Overcast,	Overcast	Overcast	Overeas	Overcast.	Generally overcast till eveni amounts of cloud afterwards.	Cloudless in early morning; overcast from 9h. A.M. till evening with rain and for between 4h. P.M. and	8h. P.M.; Variable at night.
TEMPERATURE		r.	Mean daily value.	49.0	46.7	45.4	4.05	87.9	45.3	2.12	6.44	00	above izon, ours.	2.3	 	9.8	9.8	. 10	10 ·	8.4	Sum 0.09
EMPE		Of the Air.	Daily Range.	0.9	2.4	50	4.5	6.9	14.7	2.6	6.9	1	ed Sun e, Hon					-			-
F		0	Low- est.	.8.7	44.4	40.5	38.5	35.0	85.8	46.1	41.3	9	Registered Sun above Sunshine, Horizon, in hours.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Sum 0.0
L			High-	0 21.2	20.1	45.8	42.7	41.3	20.2	55.3	48.5	10		ng:			•	ing:	ing;	.M. ;	fter-
BARO-	METER.	daily reading	rected and reduced to \$20 Pahren-heit).	in.	30.478			30.321	30.195	30.082	30.351	4	ELECTRICITY. (For explanation of Bynneols, see Note.)	v. P. in morning; m. P. aiterwards.	v. P. thronghout	generally.	m. P. generally	v. P. in morning;	v P. in morning; m. P. afterwards.	w. P. till 4h. P.M.;	. w. P. a
		Phases	Moon.			In	Equator.	:	:	New.	:	000	EI (For symbol	v. P.	v. P.	m. P.	m. P.	V. P.	v P.	W. P	sh. P.M ward.
			Q M I	BER.	18			21	22	53	-1.	1.	E. E.	17	18	. 19	1 20	21	31	ç0 91	
		1889,	Монти Анр Дах.	NOVEMBER.	MOK.	TURS.	WED.	THURS.	FBI.	SAT.	MEANS	No. of Col.	DATE. November.	SUNDAY	MONDAY .	TUBEDAY .	WEDNESDAY	TRUBEDAY.	FRIDAY .	SATURDAY.	

#### OFFICIAL COPY.

# WEEKLY RETURN

#### BIRTHS DEATHS IN LONDON

AND IN

### TWENTY-SEVEN OTHER QREAT TOWNS.

# By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

WEEK ENDING SATURDAY, NOVEMBER 3(). [Price 1 do No. 48. 1889. Vol. L.

> General Register Office, Somerset House, 2nd Dzeember: 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19.0 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending				. :	Weeks	ending	
Towns.	Nov.	Nov. 16.	Nov. 23.	Nov. 30.	Towns.		Nov. 9.	Nov. 16.	Nov. 23.	Nov. 30.
Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull -	12·2 18·2 23·2 21·8 24·6 15·0 16·6 17·6 16·4 22·5 19·7 19·1 18·1	16.9 19.8 23.2 24.4 19.3 12.1 15.3 13.2 17.4 17.4	18·0 21·5 20·9 23·8 8·6 18·2 10·6 12·7 21·9 20·2 20·1	18·0 17·2 24·6 20·0 15·0 16·6 19·0 19·1 23·2 14·1 25·1	Liverpool - London - Manchester Newcastle-on-Tye Norwich - Nottingham Oldham - Plymouth - Portsmouth Preston - Salford* - Sheffield - Sunderland	***	16·2 23·3 25·0 15·5 15·4 21·3 26·0 19·2 24·5 13·6 21·0 24·9	17·4 26·7 24·6 13·8 13·2 15·8 23·3 14·0 28·5 22·0 18·7 26·8	18.5 16.5 24.7 26.9 17.1 16.9 15.4 30.7 19.6 23.0 18.0 18.2 26.0	17·4 27·4 21·7 11·6 16·0 19·1 32·0 13·7 19·0 17·8 20·4 30·3
Leicester* -	18.4	17.3	16.6	14.6	Wolverhampton	-	19 0	15.2	20.2	23.4

The highest annual death-rates, measured by last week's mortality, were: -from measles, 1.3 in Nottingham and 5.1 in Sunderland; from scarlet fever, 1.1 in Sheffield, 1.8 in Bolton, and 2.7 in Plymouth; from whooping-cough, 1.3 in Leeds and 2.3 in Hull; and from "fever," 0.9 in Leeds, in Brighton, and in Cardiff. The 51 deaths from diphtheria in the twenty-eight towns included 33 in London, 6 in Salford, 3 in Plymouth, 2 in Liverpool, and 2 in Newcastle-upon-Tyne. Small-pox caused no death in any of the twenty-eight great towns.

LONDON.

In LONDON 2321 BIRTHS and 1448 DEATHS Were registered. Allowing for increase of population, the births were 412, and the deaths 286, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17.4 and 16.5 in the two preceding weeks rose again last week to 17.4. During the first nine weeks of the current quarter the death-rate averaged 16.5 per 1000, and was 3.3 below the mean rate in the corresponding periods of the ten years 1879-88.

The 1448 deaths included 18 from measles, 19 from searlet fever, 33 from diphtheria, 44 from whooping-cough, 15 from enteric fever, one from an ill-defined form of continued fever, 12 from diarrhea and dysentery, and not one from small-

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salfrid, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salfor, and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

pox, typhus, or cholera; thus, 142 deaths were referred to these diseases, being 84

below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 9; only one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and not one in the Highgate Small-pox Hospital. The death of an infant, aged 5 months, in Hampstead, was referred to "varicella gangrenosa." The fatal cases of measles, which had been 33 in each of the two preceding weeks, declined last week to 18, and were 49 below the corrected average; 3 belonged to Pancras, 5 to Bethnal Green, and 3 to Mile End Old Town sanitary areas. The 19 deaths from scarlet fever showed an increase of 2 upon the low number in the previous week, but were 33 below the corrected average; 5 (including 2 from Golborne Gardens) belonged to Kensington, 2 to Chelsea, 2 to Bethnal Green, 2 to Poplar, 2 to St. George Southwark, and 2 to Lambeth sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1650 searlet fever patients on Saturday last, against numbers increasing in the twenty-two preceding weeks from 559 to 1620; 132 cases were admitted to these hospitals during the week, against 204, 176, and 152 in the three preceding The deaths from diphtheria, which had been 38 and 30 in the two previous weeks, rose again last week to 33, and exceeded the corrected average by 12; 4 belonged to Pancras, 2 to Islington, 4 to Hackney, 2 to Shoreditch, 4 to Bethnal Green, and 2 to St. George in the East sanitary areas. The 44 fatal cases of whooping-cough showed an increase upon recent weekly numbers, and exceeded the corrected average by 6; 3 belonged to Pancras, 3 to St. George Southwark, 6 to Lambeth, 8 to Camberwell, and 5 to Greenwich sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 16 and 17 in the two preceding weeks, declined last week to 12, and were 2 below the corrected average; 7 were of infants under the age of one year.

The deaths referred to enteric fever, which had been 11, 20, and 22 in the three preceding weeks, declined again last week to 15, and were 7 below the corrected average; 2 belonged to Islington, 2 to Hackney, and 2 to Lambeth sanitary areas. The death of a child, aged 3 years, in Stepney, was indefinitely referred to "suppressed fever." The Metropolitan Asylum Hospitals contained 115 cases of enteric fever and 11 of typhus on Saturday last; 8 cases of enteric fever were admitted during the week, against 26, 16, and 7 in the three

preceding weeks.

The deaths referred to diseases of the respiratory organs, which had increased from 281 to 328 in the five preceding weeks, further rose last week to 345, but were

118 below the corrected average.

Different forms of violence caused 53 deaths, concerning all of which inquests Of these 53 deaths, 7 were cases of suicide and 2 of murder or manslaughter, while the remaining 44 were attributed to accident or negligence. Two of these were caused by vehicles in the streets, 6 by burns or scalds, 5 by drowning, one of a lead-pipe maker from lead-poisoning, and 14 (including 13 of infants under the age of one year) by suffocation.

#### GREATER LONDON.

In Greater London 3105 births and 1876 deaths were registered, corresponding to annual rates of 28.7 and 17.3 per 1000 of the estimated population. In the Outer Ring 9 deaths from diphtheria, 7 from scarlet fever, 6 from measles, and 6 from whooping-cough were registered. The fatal cases of measles included 4 in Walthamstow and 2 in Finchley sub-districts. Three deaths from scarlet fever and 3 from whooping-cough cocurred in Croydon, and 2 from diphtheria in Tottenham sub-districts.

#### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.74 ins.; the lowest reading was 29.32 ins. on Monday morning, and the highest 30.12 ins. at the end of the week. The mean temperature of the air was 37.6, and 3.4 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Sunday and Monday, but was considerably below the average on each of the other days of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 14.0 miles per hour, which was 1.6 miles above the average in the corresponding weeks of 16 years. Rain fell on four days of the week, to the aggregate amount of 0.32 of an inch. The duration of registered bright sunshine in the week was 5.9 hours, against 13.4 hours at Glynde Place. Lewes. hours at Glynde Place, Lewes.

\* See note on first page of this Return,

TABLE 1.-BIKFHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 30th November, 1889.

		ri.	1							TOM.											9.										
	CITTES	AND BOROUGHS.	Cols.	- 28 TOWNS.	LOWDOW	BRIGHTON.	FORTSMOUTH.	NORWICH.	BRISTOL.	WOLVERHAMPTO	BIRMINGHAW	LEICESTER.	NOTTINGHAM	DERBY.	BIRKENHEAD.	HOLLON.	M 4 m Common	SALFORD.	OLDHAM.	BLACKBURK.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	HULL.	SUNDERLAND.	NEWCASTLE.	CAMPIEE.	EDINBURGH.	GLASGOW. Dublin.	
	KAINFALL.	In Centi- metres.	24.	1.14	0.81	1.12	1	8.00	1.45	0.58	,	1	\$G.0	1	1	09.7	1	1	1	1 (	1	1	1.05	1 )	₹8.0	1	00.0	1	80.0	0.09	-
	KAIN	fn Inches.	23.	0.45	0.35	0.44	1	1.18	0.21	0.53		1	0.37	1	8 9	0.02	•		1			1	0.40	1 1	0.33	1	00.0		20.0	0.29	
AIR.	an.	.9bargitne	22.	3.17	3.11	4.06	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.06	1.94	1	1	3.06	1	1 0	77.75	-	,	,	1 1	1	ı	3.06	1 1	5.06		0.72		5.67		-
OF THI	Mean	stiednerds.	21.	37.7	87.6	39.3	ı	41.8	39.3	35.5	1	1	37.5	1	1 0	0.60		8	1	1 1	1		37.5	1 1	35.7		33.3		37.3		
LATUR	**	the Lowest	20.	1.12	2.16	1.83	1	26.6	1.97	1.13	,	1	4.17	1	, ,	1.00		,	ı	1 4	1	1	29.5	1 1	0.43	1	24.0			6.47	=
TEMPERATURE OF THE AIR.	•31	Highest Howest	19.	0.99	52.7	53.0	1 1	55.0		2.09	1	1	20.8	1	1 02				1	1 1	1	1	49.4	1 1	2 0.09	-	40.0		-	53.0 2	
	eaths	From Diseases in Cols. 6-12.	18.	1.0	1.1	1.1	0.0	0.9	1.1	1.3	1.3	8.0	1.2	0.2	1.0 0.7		2.3	2.2	80.0	0.2	0.0	9.0	2.0	2.7	-	-	6.7		_	3.8 5	
Annual Rate per 1006,	to the Week's Deaths	From All Causes.	17.	0.61	17.4	15.0	13.5	32.0	9.91	53.4	18.0		_		15.8		4.12		1.61	_			20.0				0.61			28.7 3	
	,d18:	Oncertified of the same of the	16.	7	14	-	1 1	1	67	1	10	1	г	1	1 00		9		00			oo	61 6	-		63	1 1		_	24 18 2	
	.81	Deaths in Public Locitution	15.	626	336	11	9 11	10	13	9	36	9	4	41 0	2 4	1	38	15	F = 0.1	F 00	1	1	15	16	18	20 0	o 0			36 2	
		asO teaupal	14.	249	113	1 0	Q 74	20	9	10	18	67	41	c3 c	N 00	9	11	<u>ت</u>	4 1	٠ H	Н	å	0 [	7	00	00 1	O 1	-  -	<b>a.</b>	e. 4	Ì
ıde		Vlolence.	13.	124	33	1 -	- 1	2	10 0	20	11	1 0	က	1 -	7 =	00	4	67	63 1	1	П	1	44 4	H 9	20	4 .	٠.	-	Н	91	1
The DEATHS registered in the Week include		.amdrrai(I	12.	37	12	1 -	1 1	1		1	Н	£ ,	7	1	67	1	ေ	63	н 1	ı	1 1	-		1 43	c1	1	1 4	-	10	C1 IO	-
he We		Feret.	11.	46	16	2J L	1 1	1	1 7	-	,-I 1	-	4	1 -	4 00	1	67	1 -	٠ :	ł	ı	ı	1 0	) 1	61	-	1 63		4	11	۱
ed in t	from	Whooping-	10.	85	44				61	ł	ı	1	1	1 1	1 4	г	ಣ	-	- 1	П	1	1	4 C	-	6	1 0	N 1		8	භ භ	ı
egister	Deaths from	Diphtheria.	9.	21	දි	1 1	1	9	1	-	-	1	1	-	1 0	-	-	9	1 1	. 1	1	•	1 1	ŧ	1	1 0	N 1		Н	4 11	١
ATES I		Searlet.	00	63	19	1 1	1	4	63	1	4	1	1	1 1	-	4	20	67	1 1	i	1	1	- e	1-		01 0	N 1		Н	9 1	
he DE		Messies.		19	18	- 1		1	1	1	4	1 0	9	F	1 9	67	9	-	e3 1	1	1	t	က ၊		1	13	1 1	-	13	70 4	I
T		Small-pox.	6.	1	1	1 1	1	1	1	1	-		ı	1	-	-	1		1	1	1	1	1 1	1	1	1	1 1	=  -	1	1 1	ı
	10 8t	Persons ages erse 7 08 ebtawyn bur	0.	292	351	10	9	13	22	9	35	11	133	1 00	42	12	41	0	17	-10	10	ۍ 	36	20	24	11	0 0		22	49	I
	Deat	Infants unde l Year of Age.	4	858	333	80 F	77	14	20	13	40	91	56	13	n 9	10	45	25	0 1	180	9	o	20	39	22	10	14		27	21 21	١
during	1889.	EATH8.	63	3477	1448	35	21	48	73	22	157	42	73	36	957	54	199	80	25	38	25	36	154	128	100	78	41		113	194	
Registered during	the Week ending 30th Nov., 1889.	BIRTUS, DEATHS.	e;	2919	9321	54	54	41	102	49	234	95	16	44	366	64	204	130	71	49	48	4.1	115	180	110	200	92	1	145	157	-
=			1		,738	121,807	94,510	78,225	229,361	82,544	454,835	50,520	287,812	109 541	606,562	114,670	008'843	234,283	142,405	104,194	92,825	027,030	235,056	327,227	208,017	160 988	112,712	-	266,900	353,082	-
	POPULATION estimated	to the the Year 1889.		9,555,406	4,351,738	121	4 03	128	224	Œ	45	15	23	23 0	909	11	143	23	19	101	00 (	0	23	32	20	91	H	-	266	353	
	(ITIES	AND BORUTGHS.	Cols.	28 Towns.	LONDON	BRIGHTON	NORWICH -	PLYMOUTH .	BRISTOL .	WOLVERHAMPTON	BIRMINGHAM .	LEICESTER.	NOTTINGBAM.	DERBY	LIVERPOOL .	LOTTON	MARCHESTER .	SALFORL*	BLACKBURN	PRESTON	HUDDERSFIELD .	Daniean	LEEDS	SHEFFIELD	STANDEDIAMD	NEWCASTLE*	CARDIFF		EDINBURGH	DUBLIN	

TABLE 2. LONDON .- Births and Deaths Registered in the FORTY-EIGHTH Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females	2530	2442	2508	2535	2423	2587	2656	2414	2599	2367	2732·8	2321
	1320	1256	1280	1315	1239	1327	1398	1242	1307	1180	1402·8	1202
	1210	1186	1228	1220	1184	1260	1258	1172	1292	1187	1330·0	1119
TOTAL Deaths  Males Females .	1802	1446	1460	1605	1655	1716	1544	1618	1705	1352	1734·2	1448
	893	733	734	863	839	864	815	812	846	685	881·6	729
	909	713	726	742	816	852	729	806	859	667	852·6	719

The numbers in this column are the average weekly numbers in the forty-eighth weeks of the ten years raised by 9°046 per cent. for increase of population.

LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABI	LE 3. LONDON.—B	IKTHS	, DEA	Tho,	and Iv	IEIE(	OLULO	GI III	tile .	21450				
		Sept.	Sept.	Sept. 21.	Sept.	Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.	Nov.	Nov. 9.	Nov. 16.	Nov. 23.	Nov. 30.
TOTAL	Births	2373	2432	2344	2504	2364	2595	2518	2580	2623	2658	2522	2517	2321
TOTAL	Deaths	1170	1236	1267	1361	1381	1321	1410	1310	1317	1350	1451	1376	1448
Ages a Death	t { 0-20 years - 20-40 ,, 40-60 ,, 60-80 ,, at 80 years & upwds.	585 151 219 216 49	583 164 207 233 49	599 157 248 216 47	644 186 244 245 42	630 201 230 261 59	581 187 227 263 63	590 209 274 272 65	562 163 250 283 52	599 200 209 253 56	606 181 245 265 53	667 188 254 265 77	661 176 259 225 55	647 184 266 292 59
99	Under 1 year	306 141 88	313 204 66	332 182 85	386 165 93	376 172 82	321 175 85	320 187 83	276 200 86	323 212 64	310 209 87	343 235 89	335 233 93	333 227 <b>87</b>
Deaths  ''  ''  ''  ''  ''  ''  ''  ''  ''	from Small-pox ,, Measles		10 17 41 18 - 19 2	3 25 44 26 - 11	7 22 44 23 2 19	9 20 45 14 - 19 2	13 15 35 14 1 16	28 25 41 26 1 11	17 27 37 22 1 21	22 20 31 21 - 19	1 20 28 28 24 - 11	33 24 38 37 1 20	33 17 30 31 - 22 2	18 19 33 44 - 15
"	,, Diarrhoea and Dysentery - Cholera	3	68	73	80	52 1	28	22	15	17	17	16	17	12
,,	" all the above- mentioned Diseases	179	175	184	198	162	122	151	141	130	120	169	152	142
29 93 99	, Dis. of Respira- tory System , Phthisis - , Dis. of Circula- tory System	142 134 95	152 137 102	142 157 110	189 146 112	225 148 123	264 129 127	300 184 115	281 141 115	300 125 104	318 141 122	321 154 121	328 169 113	345 183 126
Inques	t Deaths	47 86 327	49 101 316	54 96 324	62 119 336	62 119 335	50 99 314	57 112 332	49 101 319	59 123 309	51 97 313	65 122 363	57 114 314	53 113 336
Mea	n of Highest readings - n of Lowest readings -	60·5 69·1 55·2	74.6		58.9	56.7	58.4	57.8	53.7	47·3 54·0 41·4	53.3	52.7	48.2	37·6 43·4 32·0
Rain-f	lity of the Air all in inches ered Sunshine (in hours	88 0·54		1		1		1		88 0·78 23·1		98 0·01 11·9	1	84 0·32 5·9
Regist	ered Sunsmine (in nours	1 22 0	10 2	10 2			U. I	1						

#### METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glusher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Sumpson, Esq., Wrottesley, Wolver-hampton Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-ham; J. Harmup, Eso., F.R.A.S., Liverpool; H.O., Pilkington, Esq., M.R.C.S., Preston; J. MeLandsborough, Esq., F.C.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sungerland; and Wm. Lyall, Esa., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Forty-eighth Week of the Year 1889.

				Ŧ	OR	TY-J	EIGI	ITH	· W	eek of the Year 1889											
	for the years	Sa	I turd	the	We h	ek er Vovei	ndina	1889	).		the	So	tund	In th	e W	ek e	ndin	g 2000			
	for 0 ye		D	eath	of l	Perso	ons o	1			s for the	Saturday, 30th November 1889.  Deaths of Persons of									
	Averages fi iks of the 10 1879-88.	_			he A	1 .	L .	1 .			Averages sks of the 10 1879-88.*			t	he A	ges	45 01				
CAUSES OF DEATH.	Aver 8 of 1 879-8		1	Jnde 20.	r	r 40.	r 60.	r 80	and	CAUSES OF DEATH.	1 0 t 0 8 0 5 1 8 279-8	I	1	Jnde	r	. 40.	.09	80.	Bud		
	Week Week	AGES.	-	1	-	under	under	under			ed A	AGES.	-	20.		under 40	under	under			
	Corrested 48th Wee		1.	6.	30.	and	an.i	and 1	Years		Corrected 48th Week				20.	and u	and u	n pa	Years		
	Co.	ALL	0-1	1-6.	10	8	104	60.8	90		Cor	ALL	0-1	1-5.	5-2	20 8	40 a	60 and	30		
ALL CAUSES	1734.2	1448	999	227	97	184	900	292	50			I	1								
	1101 2	1113	-		-	104	200	202		Diseases of Organs of Special Sense † }	4.0	2	2	-	-	-	-	-	-		
Small- Vaccinated; -	} 8.9		-	-	-	-	-	-	-	70		-	-				-				
pox Unvaccinated	\\ \cdot\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	-	-	_	-	-	_	_		Diseases of Circulatory System }	121.8	126	1	1	13	17	40	46	8		
Measles	67'4	18	2	14	2	-	-	-	-	Croup	16.7	11	1	9							
Scarlet Fever	0.8	19	1	12	5	1	-	_		Bronchitls Pneumonia	282·0 117·9	227 74	63 20	45 25	2 3	6	25 11	72	14		
Relapsing Fever +	0.0		-	~	-	-	-	I-	-	Pleurisy - Other Diseases of Respi-	7'9	4	1	1	-	~	2	-	F		
Influenza	0·1 37·9	44	16	26	- 0	-	-	-	-	ratory System}	38°5	29	4	6	1	2	7	8	1		
Whooping-cough Diphtheria	20.8	33	3	21	9	_	-	-		Dentition +	11.1	8	4	4	-	-	-	-	-		
Simple Continued and \ Ill-defined Fever -	2.3	1	-	1	-	_	-	-	_	Quinsy, Sore Throat † -	6.1	6	3		1	-	ī	1	-		
Enteric Fever	22.4	15	Ы	1	5	5	4	-	-	Peritonitis Diseases of Liver	30.6	11 24	3	-	-	2	12 12	3 5	2		
Cholera	0'4 13'5	12	7		-	-		-		Other Diseases of Digestive System -	26.9	28	9	3	2	3	4	7	-		
Diarrhœa, Dysentery - Remittent Fevert	0.5	1		1	_	-	1	4		Diseases of Lymphetic)				-	-				-1		
Hydrophobia	0.0	-			-	-	-	~	I-	Diseases of Lymphatic System & of Ductless Glands †	1.8	1		-	-	1	-	-	-		
Glanders Cowpox and Effects of }	0.0		-		-	-	-	-									-		-		
Vaccination † 5	11.3	10	9				_	-		Diseases of Urinary }	37'6	38	-	-	2	8	14	12	2		
Venereal Affections - Erysipelas	9,1	3	-		-	1	1	2										-	-		
Pyæmia and Septicæmia †	2.9	3				1	2	-		Diseases of Generative	5.2	4	1	-	-	-	3	-	-		
Puerperal Fever Other Zymotic Diseases †	7.1	3	1	2	-	2	-	-		Accidents of Childbirth -	3.4	3	Ξ	_	1	1	1	_	-		
								_		Diseases of Locomotive	9°1	11		1	5	3	2	_			
Worms and other Para-)	1.9	1	1		-	-	-	-	-	System †}			-	_	_	_	_	-	-1		
sitical Diseases}	0.5	-						-	-	Diseases of Integumen- \ tary System \	2.9	2	_	-	-	1	1	_	-		
Starvation, Want of	1.7	2	2							tary System)				-		-			-		
Breast-milk †}	5.1	7			-		-	-		VIOLENT DEATHS.											
THEORIGINAL CO.					_	4	3	_	E	(ACCIDENT.)											
Rheumatic Fever. } Rheumatism of Heart†	10.2	2		-	1	1	_	-	_	Fracture and Contusion Gunshot Wound -	21.9	17		-	-	7	6	4	-		
Rheumatism †	2.0	5	-	-	1		~	4	Ţ	Cut, Stab Burn and Scald	0.9	6	Ħ	5	î	-	-	-	-		
Gout Rickets +	4·0 3·3	3 2		-			2	1		Poison	1.9	1 5	٨	-	1	3	1	-	-		
Cancer	53.8	65	1	2	2		29	32	1	Suffocation Otherwise	14.8 2.7	14	13	-	-	-	1	-	-		
Tabes Mesenterica -	21.0	17	10	6	1	-	-	-							-				-		
Tubercular Meningitis - Phthisis	173'8	19 183	5	9 5	16	85	65	12		(HOMICIDE.)	2.1	2				7	,				
Scrofula, Tuberculosis -	14'7	11	4	1	2	3	-	1		Murder & Manslaughter				_		1	1	_	-		
Other Constitutional Diseases †}	8.8	17	2	2	-	2	3	7	1	(Suicide.)									1		
Premature Birth	37.0	92	92				-	-		Gunshot Wound Cut, Stab	0.8	1	-	-	-	-	1	1	-		
Ateleotasis +	2.7	36 4	86 4	-	-		-	-	-	Poison	0.8 0.9 1.2	1 1	-	-	-	2	-	ī	-		
Congenital Malforma-	8.6	9	8	1	-	-	_	-		Hanging Otherwise	1.3 1.3 0.7	1	-	-	-	1	-	-	-		
Old Age	57.8	43	-	-		-	-	20	28					-	-		-	-	-1		
.Apoplexy	47'0	0=	_	-	-	_	-			(Execution.)									1		
Epilepsy	6'4	85 5	2	1	1	2	12	16	1 -	Hanging	0.0	-	-	-	-	-	-	-	-		
Other Discover of During	47.8	40	33	7	-	-	~	-		Owning Garage	0017		40				,	,			
Other Diseases of Brain } and Nervous System }	87.7	60	10	12	3	5	6	21	3	OTHER CAUSES †	60.7	56	48	2			1	1	3		
The numbers in this c	olumn or	o the				. D	- 41	6 1									-				

As the ten years average ould not be correctly ascertained, the average for the saven years 1879-88, raised by 9 '046 per cent. for increase of population 1 as the ten years average ould not be correctly ascertained, the average for the saven years 1899 9 has been year.

Those cases of small-pox only are returned as "vaccinated, the average for the seven years 1882-8 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the case is returned under the heading "no assument."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, aslaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE E. LONDON.—FORULATION; BIRTHS; DEATHS from ALL CAUSES, and from Small-Pox, Measles, Scarle during the Week ending

		1	The DEATHS registered in the Week include																	
				Dest	hs of								aths from							
	Enume-			Done	-			1		ė		_	1	1	,		Publie ns.	-		
REGISTRATION	Fopu-	THS	DEATHS	under f Age.	aged 6			rer.	٠	eoug		(or	TOE.			Cases.		Can		
SUB-DISTRICTS.	lation, 1881.	Вівтна			18 89 10 98 U	-pox		t Fever	heria	hooping-	÷	oid)	d Fe	bos.	100.	i Co	ituti	Hilland		
		Total	Total	Infants Year	Persons Years	Small-pox.	Moasl	Searlet	Diphtheria	роп /	Typhus	Enterie (o	Simple con-	Diarrhua	Violense	Inquest	Deaths Instit	TANE		
		-		I	- P	-00		93	9	=	-	M	00	-	-	=	=	1 IIm		
rondon · · ·	3,815,704	2321	1448	333	351	_	18	19	33	44	-	15	1_	12	53	113	336			
WEST DISTRICTS	905,947	329 521	226 315	48 76	57 86	-	3	7 2	5 12	6	-	1 6	-	3	10	10 27	71 57	-		
NORTH DISTRICTS	282,288	136	100	25	25	-	1	-	2	-	-	-	-	-	3	8	32			
EAST DISTRICTS -	692,788	475	302 504	72 112	78 110		10	6	6 8	7 25	-	7	1	5	17	37	85 90	1		
SOUTH DISTRICTS - METROPOLITAN ASYLUM HOS-	1,265,148	860	1	-	-	-	-	1	-	-	-	-	-	-	-	-	1			
London)		-			-													1		
St. Mary Paddington WHH G.J. &W.M.	69888	84	28 16	11 4	10	-	-	-	2	1	-	ī	-	1 -	ī	1 2	2 7			
St. John Paddington 11	37880 120141	9 58	82	2	11	-	=	-	-	1	-	-	-	-	1	2	14 2	1		
Brompton H W.M.	48010 7599	10	9	8 -	3	-	-	-	-	-	-	-	-	-	-	-	-			
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J. Fulham Weeve W.M. & C.	64340 42900	61 41	22 34	8	8 5	-	-	6	-	1	-	-	-	ī	1 ~	1	13	1		
Chelsea North-west WHHHHH. C.	30896 24925	18 11	17	4 2	5	-	ī	-	1	-	-	-	-	1 -	1 -	1 -	5 5			
Cheises North-east	32807 30353	18	6	2	1 4	-	-	-	-	1 -	-		-	-	-		5			
Polovera WHHH C.	59220 35496	13	17	2 3	3	-	-	1	1	-	-	-	-	-	2 -	2 -	9			
St. Margaret Westminster H - C.	24679 29941	9	5 5	1	3	-	-	1:	-	-	-	-		-	-	-	2	-		
St. James Westminster WHH N.R.&G.J St. Anne Soho HHHHHHHH - N R.	16608	10	4	1	1	-	-	-	-	-	-	-	-	-	-	-	1	1		
NORTH DISTRICTS.  All Souls Marylebone HHHHHH. W.M.	26759	11	8 4	2	1 2	-	-	-	-	1	-	-	-	-	-	-	2			
Cavendish Square HHHH W.M. Rectory Marylebone WH G.J. & W.M.	14891 24809 21118	14 28	8 2	3	3	-	-	=	=	-	-	1	-	-	-	=	8			
All Souls Marylebone HHHHH W. W.M. Cavendish Square HHHH G.J. & W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone HH G.J. & W.M. Christchurch Marylebone HH - W.M.	38700 33638	16	8 6	4 2	2 2	-	-	-	-	-	-	-	:	-	-	1	-			
Hamnstead Weeve H N.R. & W.M.	45452	25	19	6	5	-	-	-	1	-	-	1	-	-	1	4	2			
Regent's Park Pancras H - W.M. Tottenham-court wHHHH N.R.&W.M. Gray's Inn Lane HHH - N.R N.R.		23 17	14 19 13	7 2 6	6 2	1:	1 -	-	1	1	-	-	-	=	2	2	6			
		18 28 9	8 18	1 2	11		-	-	1	1 =	-	-	=	-	1	1 -4	12	1		
Kentish Town W N.R.	17811 87487	47	24	8	15	-	-	-	1	-	-	-	-	-	1 -	1	4			
Upper Holloway WwwH - N.R. Islington South-west HH - N.R. Islington South-east - N.R.	67946 100976 61825	50 57 40	83 83 17	8 3	6 4	3	-	-	1	-	=	1	-	-	2	3 2 2	-			
Highbury H N.K.	52048	23	14	3	2		-	-	-	2	-	-	-	-	1	-	1			
Stoke Newington H N.R. Stamford Hill E.L. West Hackney H N.R.	92781 9277 87610	13 7 25	6 3 13	4	4	=	1 =	1	1	=	-	=	=	-	ī	2 - 1	-			
Hackney WwwWH E.L.&N.F	76911	51 10	32	8	14	=	-	1 -	6	-	-	1	=	1	1	2	11			
CENTRAL DISTRICTS.				1.																
St. George Bloomsbury - N.R. St. Giles South WH N.R.	16681 14864	5 0	7	1 -	3	1:	-	-	-	=	-	-	-	=	1 -	1 -	3	-		
St. Giles North N.B.	17508	5	3 4	1 2	-	-	1-	-	1	-	-	-		-	-	1	8			
St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	7515 8559	6	3 4 1	-	1 1	13	=	-	-	-	-	-	-	-	1 -	1 -	2			
Strand Union Workhouse, Edmonton w. St. Geothe-Martyr HHHHHHH N.R	18671	8	15	1	5 1	-	-	-	1	-	-	-		-	-	-	9			
St. Andrew Eastern W N.R. Saffron Hill H N.R.	10706 6588 17516	3 11	4 7	3	2	-	-	-	-	-	-	-	-	-	=	1 2	2			
St. James Clerkenwell N.R Amwell Clerkenwell N.R Pentonville N.R	14778	10	3 4	1	1	=	=	-	-	-	-	=	-	-	-	-	-			
Goswell-street N.R	17506	13	8 2	3 2	1 1	-	1	-	-	-	=	-	-	-	=	-	-			
City-road HHL N.R. Whiteeross-street N.R.	18628	21 6	5	1	1 -	-	-	-	-	-	-	-	-	-	-	-	2 -			
Holborn Union Workhouse, Mitcham; w.	-	2	1 -		-	-	-	-	-	-	-	-	-	-	-	=	-			
St. Botolph H N.R.&E.	7198	2 3	2	-		-	-	-	-	-	-	=	1:	-	-	-	-			
St. Sepulchre H N.H. St. Bride W N.H. Allhallows Barking - N.H.	8396 13666	5 4	13	-	3 -	=	-	-	-	-	-	-	-	=	1 -	1	10			
Broad Street H N.R	5652	ì	1	-	1	1-	-	-	-	-	1 -	-	-	-	-	1-	-	1		

NOTE.—The Italia letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Wo house; H—Hospital; L—Lunatic Asylum; w—A Workhouse Establishment receiving immates from other Districts than that in which is staged note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signife Grand Junction Company; W.M. West Middlesex: C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L., East Lond and K., the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

aturday, the 30th November, 1889.																		
	The DEATES registered in the Week saciude																	
	Enume-			Deat	hs of				I	Death	s fron						0	8
REGISTRATION SUB-DISTRICTS.	Population, 1881.	Total BIRTHS.	Total DEATES.	Intants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever,	Simple con-	Diarrhæa.	Violence.	Inquest Cases.	Deaths in Publi	Uncertified Causes of Death.
EAST Districts.	7376 14967 29937 28086 46275	4 12 14 22 29	2 2 11 8 18	11338	- 625	11111	1 1 1	11111	1 1 1 93 1	1 1 1	11111	11111	11111	11111		- - 1	- 5 4	11111
$\begin{array}{llllllllllllllllllllllllllllllllllll$	51157 34399 41405	87 24 26	20 10 19	7 2 1	3 2 6	1 1 1	3 2.	1	1 - 2	1		-	111	-	-	ī	9	
ipitalfields E.L. & N.R. ille End New Town W Whitechapel Church H Loodman's Fields E.L. ldgate N.R. & E.L.	22585 15478 17490 9713 6102	8 16 11 5 6	12 19 3 2	8 1 - -	1 2 2 1	11111	11111	11111	1 -	1111	1111	1	1111	1	1 - 1	1 3	9 19 -	11111
it. George's, North E.L. it. John, St. George East W - E.L.	38747 8410	31 7	14	8	2 4		-	-	-	1 1	-	-	-	1 1 1	3	8	7 6	-
Shadwell HH - E.L.& N.R. Ratellifi E.L. Limehouse E.L.	10895 16107 82041	5 10 19	7 4 14	1 8	1	=	ī	-		. 1	-		ī	ĩ	1	2 2	- 1	1
Wile End Old Town West - E.L. Whe End Old Town East WwwH-E.L.	37960 67653	34 44	10 32	4 5	10	-	8	=	-	2	-	-	-		ĩ.	8	6	ĩ
Sow L* Bromley www.H E.L. Poplar WWH E.L.	37074 64359 55077	17 55 39	12 50 17	3 12 6	19 2	-	-	2 -	111	1		-	-	1	54	13 4	18	111
SOUTH DISTRICTS.	13668 14999 21351 15953 21318 26672 59555 21623	7 7 12 12 13 12 35 14	2 6 11 7 10 8 13 8	1222128	2 1 8 3 2 2	1111111	1111111	1	111111	2 1	11111111	1 1 1 1 1 1	1111111	111111111111111111111111111111111111111	11111111	2 2 1 1	1 2	1
St. Olave WH S. & L. Leather Market S. & L. St. Mary Magdalen W - S. St. James Bermondsey - S. Rotherhithe WH S. & K.	11956 16300 15669 54682 86024	11 14 15 30 17	16 3 5 12 21	2 1 1 3 8	3 - 2 3 7	1111	1	1	1 - 1	1	1111			1	3 - 1	3 1 -	10	1
Waterloo-road 1st   H -	15195 16351 19876 39859 45282 35882 62837 19017	7 19 7 29 88 20 35 7	6 5 19 24 17 9 17 6	1 2 8 7 2 1	2 8 3 5 3 8 6 2	1111111	1111111	1 - 1	3	1 8 1	1111111	1		1111111	- 14:11:11	1	13 7 - 1 -	1
Rast Battersea	54675 52587 36380 28004 13235 25553	44 56 18 34 8 22	18 25 5 14 2 8	6 - 5	5 8 8 2 - 4	11111	11111	1	1	1	11111	1	*	11111	1 2 - 1	1	6 - 2 -	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	5590 59104 71089 50810	1 49 39 41	2 27 31 19	5 11 9	6 7 2	1111	1111	- 1 1 -	1 1 1 1	6 2		1 1 1 1		ī -	1 1 6 1	ī	7	1 -
St. Paul Deptford ww K. St. Nicholas Deptford K. Greenwich West H K, Greenwich East WHH K,	76752 7901 21972 24608	52 8 15 18	24 8 7 22	9 2 - 3	2 - 4		1 -		1 -	1 2 - 2	1171	1	1111	ī	- - 1	- 2	3 1 14	1
Eltham $H$ $K$ . Lee $H$ $K$ . Lewisham $WH$ $K$ . Sydenham $H$ $K$ .	5048 21559 19865 26076	5 21 15	1 5 10 7	1 2	2 3 8	1111		1111							î î	1 -	2 3 -	1 -
Chariton H// K. Woolwich Dockyard K. Woolwich Arsenal HH K. Plumstead, West H K. Plumstead, East W K.	10930 17617 19048 14009 19241	7 7 11 4 24	6 5 9 4 20	1 3 2 2 6	3	11111	11111	1111	1	1	11111	- 1	11111	1	1 2	1 - 3	2 5	11111
Metropolitan Asylum Hospitals: Dartford w Winchmore Hill w		:	1	111	-	=	- 1 -	1	-		-	-		-		1 1 1	i	-

Fue following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the above Table by we:-

Stepney Workhouse in Bromley sub-district.

Fonlar a Stepney Sion Asylum

Yestomuster Union Industrial School in West Battersea sub-district,

Stepney Hollow Workhouses outside Registration London.

St. as four's Indirmary in Camberwell sub-district.

Metropolitan Asylum District Hosoicais in Fuinana, Hampstead, Hacker, Britton, and St. Paul, Deptford sub-districts, and in Dartford,

Edmonton, and West Ham sub-districts outside Registration London.

Marylebone Infirmary in Kensington Town sub-district.

Central London Sick Asylum in Tottennam Court-road sub-district.

Robborn Infirmary in Upper Holloway sub-district.

London City Workhouse Hackney sub-district.

Whitechapel Mile End Old Town Eastern sub-district.

White End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

And Bromley sub-district.

Mile End Old Town Eastern sub-dist.

And Bromley sub-district.

And Bromley sub-district.

Mile End Old Town Eastern sub-dist.

And Bromley sub-district.

Mile End Old Town Eastern sub-dist.

And Bromley sub-district.

Mile End Old Town Eastern sub-dist.

And Bromley sub-district.

Stepney Workhouse in Bromley sub-district.

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Stepney Workhouse in Bromley sub-district.

Stepney Workhouse in Bromley sub-district.

Stepney Workhouse in Bromley sub-district.

Stepney Sick Asylum District District District Only Stepney Sick Asylum District District District District District District District District District District District District District Distri

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during

		Week ending Saturday, 30th November, 1889.														\$	
Regis-		Area			1	1	The DEATHS registered in the Week include										\$
tration		in Acres,	Enume-			Dea	ths of	I			Death	s from	1				1 1
District and	REGISTRATION	inclu-	rated	EIS.	HS.	-	8.5	-	1	1	1	1 8p	1	1	1		Public
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS.	DEATHS	under of Age.	aged k upw			Fover.	1	noo		1.	1	Cases.	Pu ions.
district Num-		and	1881.	<u> </u>	D	r of	18 St. 20	TOQ-		t Fe	heri	ping	1	1086	106.	at C	itut
bers.		Fore-				Infants	Persons Years	Small-pox.	Measles	Searlet	Diphtheria	Whooping-cough	Fever.	Diarrhosa	Violence	Inquest	Desths in Put
LO	NDON-OUTER RING	370,924	950,957	784	428	117	102	-	6	7	9	6	4	2	12	21	40
			000,001	102			-02			-	-	-	-	-		_	-
80:1	Carshalton wL Epsom (part of)* WwH	12228 9971	21118 10710	17	6	3	1	-	-	-	-	-	-	~	-	-	1 -
37:1	Godstone (part of) * -	2754	1235	2	1	-	-	- 3	-		-	-	-	-	-	-	-
38:1	Croydon WwEHI -	20881	101941	72	38	11	7	-	-	3	1	3	1	1	-	-	4
39:1	Mitcham w + -	11697	17982	19	4	1	-	-		-	1	-			-		1
2	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	13	7 17	3	8			-	1 -	-	-	1		-	6
3 4	Esher (part of) * -	6601	9221	5	1	1	- 1	- 1		-	-	- 1	-	-	-	- 1	-
40:1	Richmond WH -	4578	13539	10	12	-	4	-	-	- 1	-		1		2	2	1
2	Mortlake	2272	21302 12331	12	2	2 1	5	-	-	- 3	-	-	-	-	1 -	- 4	-
43:1.	Bromley (pt. of) * HH	15669	81142	21	8	1	1		-	-	-	- 1	-		-	- 1	-
42:1	Chishrat(pt.of)* WHH  Bexley H = 1 = -	14307	15844	9	7	1	3	-	-	-	1	-	-	_	_	- 1	8
2	Dartford (Ww, pts. of)*	18437	24134	11	11	2	. 5	-	-	1	-	1	-	-	-	-	1
124: 1	Sunbury w Staines W	11055 13277	11688 12089	7	8	1	1	-		-	-	-	-	-	-	-	1
125:1	Hillingdon WHH -	6029	10802	7	9	2	4	-	- 1	1		-	-	-	-	-	3
3	Uxbridge	6178	3225	5	-	-	- 1	-	- 1	- }	-	-	-	-	-	- 1	-
126; 1	Hayes wHL	14587	11523	9	11	-	6	-	-	- 1	-	- 1	**	-	1	1	7
2	Isleworth WHH - Twickenham H	7008 2477	22727 12479	19	5	1 -	3 2	-		1	-	-	-	-	1	i	1
3	Brentford HL	4845	27649	20	12	2	3	-	- 1	-	-	-	-	-	-	-	-
5	Acton wh	1840 6088	15975 22876	14	6 14	5	5	-		1	-	1	-	_		1	-
127:1	Harrow H	13809	12796	10	3	1	1	-	- 1	2	-	-	-	-	-	-	_
2 3	Edgware H -	6994	3749	-	-	-	-	-	-	- 1	-	-	-	-	-	-	-
4	Willesden Hendon W	4383 8382	27453 10484	88	3	6	4	-	-		-			_	-	2	
187:1	Bushey	9331	6621	5	-	-,	-	-	-	-	-	=	-		-	-	-
198:1	Watford (W, pt. of) -	15599	6391	-	-	-	-		-	-		-	-		-	-	-
2	Barnet	5483	10092	7	3	1	1	-	-	-	-			-	1	2	
3	Finchiey HL	4688	17615	15	10	8	4	-	2	-	-	-	-	-	-		4
135:1	Hattield (part of) * -	3806	583	-	-	-	-	- ]	-	-	-	-	-	-	-	-	-
129:1	Hornsey H Tottenham H	3039 4642	37078 46456	28	9	3	-	-	- 1	-	1 9	-	1	-	1	-	-
3	Edmonton Ww t -	7483	23468	16	10	2	2	-	-	-	-	-	-	-	-	-	-
4 5	Enfield WH Waltham Abbey	12653 11017	19104 5368	17	9	4	2	-	-	-	1	-	-	-	-	1	1
6	Cheshunt	8490	7785	1	8 5	1	2	-			-	-	-	-	1	1	-
186:1	Stratford	882	38606	87	17	4	6	-	- 1	-	-	-	-	-	-	-	-
3	West Ham wwwwH§- Leyton WwL	7351 4872	101058 32480	114	71	25	9	- ]	-	-	1	1	3	-	2	4	- 4
4	Walthamstow H -	6520	28869	27	17	5	3 -	-	4	1	-	-	-	-	-	-	-
187:1	Chigwell (part of) • H	11761	9669	10	2	1	1		-	-	-	}	-	-	-	-	-
189:1	Epping (W, pt. of)* -			-		-	-	-	-	-	-	-	-	-	-	-	
189:1	Romford (part of) * W	6730 8498	3411 7645	6	1 8	-	1	-	-	- 1	-	-	-	-	-		1
3	Barking Town	4127	9208	8	2	1	-	-	-	-	-		~	-	- 1	-	-

<sup>.</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow: 30: 2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone suldistrict; 39: 3. Esher sub-district, except the parishes of Cadham at Knockholt (pop. 1818); 41: 2. Chisleners: sub-district, except the parish of Esher (pop. 1993); 41: 1. Bromley sub-district, except the parish of Chelsfield (pop. 947); 135: 1, the parish of Northaw in Hattle sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189: 1, the parish of Dagendawn in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 137: 1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Exclusive of deaths of London residents in the Motropolitica Asylum Hospital, Winchmore Hill (see Table 5).

Exclusive of deaths of London residents in the Metropolitica Asylum Hospital at Plaistow (see Table 5).

ABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 30th November, 1889.

			ANNUA	L RATE			The DE	ATHS	regi	stered	l in t	he W	eek i	nelud	е	11
GREATER	Area in Acres.	Estimated		D living.	DEATHS	Deat	hs of			1	Death	s from	n			Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Sparlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	11.	15.	16
ATER LONDON	448,334	5,642,015	17.3	1.6	1876	450	453		24	26	42	50	20	14	65	376
ONER LONDON - UTER RING -	77,410 370,924	4,351,738 1,290,277	17·4 17·3	1.7	1448 428	333 117	351 102	-	18 6	19 7	33 9	44	16 4	12 2	53 12	336 40

TR.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 0.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,681,747 Persons.

					ANNUAL	DE	ATHS	FROM	PRINC	ES.	ZYMO:	_
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETUEN. Week ending	BIRTHS. Exclusive o	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.
CUTTA	433,219	October 5		206	24.8		1		- 1	_	61	33†
ABAY	773,196	,, 29	355	387	22°1	_	-	2	. p	2	117	37†
DRAS	398,777	, 11	332	321	41.7	_	7	P.	2	P	89	57†
:IS	2,260.945	November 23	1036	963	22.3	1	13	3	32*	. 10	18	69
USSELS 8 Faubourgs.)	471,606	23	144	187	15.1		-	-	- m	5	~	8
STERDAM -	403,083	,, 23	264	157	20°4		5	. 1		1	1	
TTERDAM -	197,723	, 23	123	81	21.1	-	1	-			2	-
E HAGUE -	153,440	" 23	97	41	13.9	-	-	-	1	1		-
PENHAGEN -	307,000	,, 23	212	108	18.4	-	-	. 2	4	3	2	4
CKHOLM .	228,218	, 16	138	89	20.3	4.		3	5*	1	. 100	6
BISTIANIA -	138,300	,, 23	75	62	23*3	-	4	-	7	2	-	3
PETERSBURG	842,883	,, 9	- '	394	24.4	.1	16	. 9	7	5	12	36
RLIN	1,489,672	, 9	842	522	17.9	-	2	- 5	20	5	. 2	45
MBURG(State)	575,276	, 16	386	207	18.8	-	-	3	- 8*	2	7	11
ESDEN	264,196	,, 16	134		18.7	- 5	4		9*	5	-	4
BSLAU	315,000	,, 23	224	152	25°2	-	1	-	9*	1	-	9
IMICH	281,000	, 16	201	119	22.1	7	1	-	7*	2	-	14
ENNA	811,434	16	527	317	20.3	-	11	1	5	1	-	9
AGUE	304,356	,, 16	-	140	24.0	1	1	: 6	2	540	3	2
DA-PESTH -	452,907	,, 16	313	215	24.7	-	1	-	. 13	-	7	22
.IESTE	158,084	, 16	-	72	23.7	,1	-	-	1	1	-	3
)ME	407,936	September 28		-	-	-	-	-	-		-	
JEIN (11 days)	306,398	October 31	224	177	19.2	-	. 3	1	5	2	7	17
INICE	154,369	November 16	72	75	- 25*3	13	-		1	-	1	4
IRO	374,838	,, 7	499	358	49.8	-	; -	-	5*	-	22	123
EXANDRIA -	231,398	7	228	186	41.9	2	-		-	-	7	60
SW YORK -	1,571,300	,, 9	-	615	20.4	-	4	2	15	5	8	8
SOOKLYB -	834,607	, 9	-	267	16.2	-	-	4	21	1	6	3
ULADELPHIA -	1,040,245	9	-	359	18.0	-		3	8	-	8	1
ALTIMORE .	500,343	9		143	14.9	-	-	1	6		8	6

<sup>\*</sup> Including deaths from croup. † Including 4 deaths from cholers in Calcutta, Bombay, and Madras, respectively.

TABLE 9 .- METEUROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, November 307H, 1889. [Under the Superintendence of the Astronomer Boyal.]

									M	Teteor	rolog	ic	al	Obse	rvation	\$.						
Ī	Ī	Ozone.		0.5	8.0	0.0	0.0	0.0	0.0	0.0	1.0	27	-	a; no	scussion ster, and reading aximum	luced ygro-	aphic	below and	the The	show,	to the	ed to
Rain	in a		5 inches above the Ground.	in. 0.11	0.19	10.0	10.0	00.0	00.0	00.0	Sum 0.32	56	of the se	The means of the thermometer, are	m a discuparometer l'mean recthe maxi	y are decisher's H	photograntal moven 1875.	wo feet Deptford	ructions from	a. moderate; s. strong; and Sunshine Instrument, show	understood as applying to the	decreus
			Depar- ture from Average of 16 Years.	Miles.	+ 287	+ 45	+128	+ 78	77	-182	Sum + 277	25	laval up	P.M. The	educed from a di 73 for the barome e corrected mean eadings of the m	humidit s by Gla	ion of the	pth of tarket at	instructi	oderate;	stood as	une day
rg.		Robinson's.	Horizontal Movement of the Air on each Day.	Miles. 263	584	341	424	375	254	111	Sum 2358	2.4	1	evel. and 9h. rd the wet	application of corrections dec the twenty years ending 1873 hie thermometers. With the the corrected mean of the rea the mean daily value of the	temperature and degree of humidity are deduced and wet bulb thermometers by Glaisher's Hygro-	a discussion and that of the 16 year	led at a de	by the Clerk of the Market, under instructions from derived from Thomson's self-registering Electrometer.	ak; m. m.	be under	on the su
mometer			Mean of 24 hourly obs.	lbs. 0.3	9.1	7.0	1.5	1.0	0.0	0.0	:	23	out abo	o sea le h. P.M.	of corrected services of the s	and ilb the	from g 1868, ls for t	uspend Foreign	Marke on's se	w. we	are to	oh. P.M n. by 91
rom Ane		Pressure on the Square Foot.	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	22	in 1KO	educe toon; 3	wenty ermom	wet bu	derived s ending c record	es are s	of the Thoma	cative;	each de vations	30.08 i
educed fr		Pres	Great.	lbs.	0.4	5.6	5.3	3.6	0.0	0.3	:	12	2000	ometer gs to r A.M.; n	e appli	t temi	s that 20 year ometri	Tham etties	Clerk from	N. neg	ine on d obser	29.56 jased to
Wind as deduced from Anemometers.	Osler's	General Direction.	P.M.	WSW.	W. & WSW.	WSW. & W.	NNW.	NNW. &NW.	WSW.&NW	ESE. & SE.	&NW.	20	1	The height of the cisteen of the otherwise is as seen are an even or are set; no operaction has been applied to the readings to reduce to sea level.  Observations are usually staten at 9th MM; noon; 3th PM; and 6th PM. M. Thou over the control of	Percentages are owned to the application of corrections deduced from a discussion converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometers, with the corrected mean reading during the twenty years ending 1886 for the thermometers. With the corrected mean reading of the twenty will be thermometer is combined the corrected mean of the readings of the maximum of the dry bulb thermometer is compined to prove daily while of temperature of the area.	and minimum intermediates, commentations and degree of humidity are deduced form the mean daily values of the dry and wet bulb thermometers by chaisher's Hygrometers is the first the main daily values of the dry and wet bulb thermometers by chaisher's Hygrometers is ables.	The average temperature of the air is that derived from a discussion of the photographic recovers made at Greenwich during the 20 years ending 1885, and that of horizontal movement recovers made at Greenwich during the 20 years ending 1885, and that of horizontal 1871 movement of the air from a discussion of the anemometric recovers for the lit years ending 1871 movement of the air from a discussion of the anemometric recovers wayed that the 14 indicates "Act,"."	Treating the countries a man so it will be come.  "Lower," than the average.  "Lower," than the average.  "Lower," than the average of the Thanese are suspended at a depth of two feet below the thremometers in the water of the Thanese are suspended at a depth of two feet below to saverage at the end of one of the jetties of the Foreign Califie Market at Deption, and	red by the Clerk of the ty is derived from Thoms	symbols employed are: —P. positive; N. negative; w. weak; m. moderate; s. strong; y. variable.  The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, si	the aggregate duration of bright sunshine on each day. The results of all the meteorological observations are to be offill day, or from midnight to midnights.	The reading of the burometer decreased from 90 this thir occurring of the week for 27 27 m.  19, 401. A.M. on the 251th; increased to 20.755 m. by 50. F.M. on the same day; decreased to 59.755 m. by 50. F.M. on the subject of the same day; decreased to 59.751 m. by 50. F.M. on the 25th; decreased to 59.751 m. by 50. F.M. on the 25th; decreased to 59.751 m. by 50. F.M. on the 25th; decreased to 50.751 m. by 50. F.M. on the 25th; decreased to 50.751 m. by 50. F.M. on the 25th; decreased to 50.751 m. by 50. F.M. on the 25th; decreased to 50.751 m.
		General 1	A.M.	SSE	SW. NW. &	WNW. WSW.	WSW. &NW.	N. & NNW.	WSW.	NW.& Calm	WSW.	19		The height of the cistern rrection has been applied to Observations are usually to	mean daily phic records nty years en thermomete	The mean dand daily values	temperature of Greenwich a discussion	In reading the columns y and the lower," than the average.  The thermometers in the water the surface at the end of one of	their readings are registered Corporation of London. The record of Electricity is	oyed are:	duration of of all the norm midnigh	of the baron the 25th;
rei .		of the Water of the Thames at Deptford.	Low-	46.7	46.9	46.0	44.8	43.2	42.2	41.9	41.6	000		eight on has krations	d into notogra he twe y bulb	8). 1 8). 1 e meal	verage made a r from	er," th	adings tion of record	s empl ble.	regate results y, or fr	eading
TEMPERATURE	0.00	of the of the at Der	High-	47.6			45.6	44.1	43.2	43.2	45.4	14		The he	onverte f the pl uring t f the di	and minimum (column 8). Th from the mean	The a ecords if the ai	In res	their readings Corporation of The record	symbols en v. variable.	the agg The	The 1 by 9h.
CEMPE		Of Radiation.	Lowest on the Grass.	0 84.4			19.9	23.9	21.2	22.0	24.9	16	-	3		rds			till	overcast	with	
-			High- est in Sun's Rays.	64.4	0.69	63.4	40.0	9.97	45.9	50.5	52.8	1 20	40		y overcast	afterwards t night.	A		clouds		eloudless	
		of Hu-		- 6					88	68 7	48	1	-	RKS.	generally	g; fine	variab night.	in morning;	variable	generally		
	perature	Point ture.	t- Least.	0 6							1.4	1	eT	REMA		morning ng; elo	orning; lless at n 2h. 1	at in last	ing;	morning;	; generally	
	Difference between	Ind Dew Point Temperature.	Great-	-		0.0		_			4.6 8.1	+	7   12	GENERAL REMARKS.	in early morning; with occasional rain.	ain jin Il eveni	in m g; cloue betwee	with hoar frost with occasional ng at night.	in	early mo	afternoon;	
-			Mean Man ly daily re. value.	-							\$2.9	-	10 11	GEN	in ear with oc	with r	loudless evenin d sleet	with with ing at	Cloudless	ü	till af	
ı		Of the Dew Point.	De- parture from Average of	0	7.7	# 0	3.9 30.0				8.4	+	6		Variable fterwards,	Overeast with rain in morning; fine afterwa	Fine. Cloudless in morning; variable of cloud till evening; cloudless at night. of ram and elect between 2h, P.M. and	Cloudless with till evening with with lightning at	Fine. Cloudless	Cloudless afterwards.	Overcast till aften	
	TURE.		Mean pa daily Av	-		41.3 +	36.9	23.0	1 1.40	35.7	37.6	1	00	bove zon, urs.	8.4	80.00	65.0	67	67	61	8.1	Sum 57.7
ı	TEMPERATURE	Of the Air.	Daily Medada	-			13.7 36			13.3	11.4 3	1	-	d Sun 8 Hori	· o	00		00				
۱	TE	of t	Low- D	-				6.00			32.0 1	-	9	Registered Sun above Sunshine, Horizon, in hours.	0.0	2.1	2.1	0.0	1.0	0.0	0.0	Sum 5.5
۱			High- I	-						89.5	48.4	-	10		and and	fter-	•	ing;	i gair	•	ning;	
1	BARO-	Mean	rected and re- duced to 82° Fahren-	in.	59.660	29.425	29.481	29.293	\$10.0g	29.389	20.785		4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. and s. N. in morning; v. P. and v. N. afferwards.	w. P. and s. N. in morning; s. P. after-	s. P. generally .	s. P. in morning v. P. and v. N. afterwards.	m. P. in morning; P. atterwards.	s. P. generally	v. P. in morning;	
	-	Phases	of the Moon.			Dec. S.	:	:		First Qr.			3	ELE (For ex	w. P.	w. P. morning	S. P. 98	v. P. an	s. P. atte	8. P. g	v. P.	
					24 P	25	26	27		8 8 8				ا ا	24	23.	84	27	. 83	81	8	
		1889.	Month and Day.	NOVEMBER	SUN.	Mon.	TUES	WED.	THUES	FRI	Married	MERAND	No. of Col.	DATE.	SUNDAY	MONDAY .	TUESDAY ;	WEDNESDAY	THURSDAY.	FRIDAY	SATURDAY	

### OFFICIAL COPY.

# WEEKLY RETURN

OF

# BIRTHS AND DEATHS IN LONDON

AND IN

### TWENTY-SEVEN OTHER QREAT TOWNS.

# By Authority of the Registrar General.

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WEEK ENDING SATURDAY, DECEMBER 7.

Price 11d.

General Register Office, Somerset House, 9th December, 1889.

MCCARE TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-RIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21.5 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

		Weeks	ending		Weeks ending
Towns.	Nov. 16.	Nov. 23.	Nov. 30.	Dec. 7.	Towns,   Nov.   Nov.   Nov.   Dec.   16.   23.   30.   7.
Birmingham Blackburn - Bolton - Bradford* - Brighton -	16.9 19.8 23.2 24.4 19.3	16·3 18·0 21·5 20·9 23·8 8·6 18·2	18·0 17·2 24·6 20·0 15·0	18.9 25.0 19.1 24.2 16.7	
Derby - Halifax - Huddersfield Hull - Leeds -	13·2 17·4 17·4 13·0 19·9	10·6 12·7 21·9 20·2 20·1 22·6 16·6	19·1 23·2 14·1 25·1 22·5	30·7 24·5 29·8 26·8 25·4	

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·3 in Wolverhampton, 1·5 in Nottingham, 1·6 in Sunderland, and 1·7 in Norwich; from scarlet fever, 2·2 in Blackburn and 5·3 in Plymouth; from whooping-cough, 1·3 in Wolverhampton and 2·3 in Hull and in Bolton; and from "fever," 1·0 in Preston and in Birkenhead and 1·3 in Halifax. The 67 deaths from diphtheria in the twenty-eight towns included 47 in London, 5 in Salford, 2 in Liverpool, 2 in Preston, 2 in Sheffield, and 2 in Newcastle-upon-Tyne. Small-pox caused no death in any of the twenty-eight great towns.

LONDON

In London 2270 berths and 1683 deaths were registered. Allowing for increase of population, the births were 423, and the deaths 75, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 16.5 and 17.4 in the two preceding weeks, further rose last week to 20.2. During the first ten weeks of the current quarter the death-rate averaged 16.9 per 1000, and was 3.1 below the mean rate in the corresponding periods of the ten years 1879–88.

The 1683 deaths included 41 from measles, 24 from searlet fever, 47 from diphtheria, 47 from whooping-cough, 8 from enteric fever, 2 from ill-defined forms

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford and Bradford are under-stated and those for Newcastle-upon-Tyne and Cardiff over-stated.

of continued fever, 12 from diarrhea and dysentery, and not one from small-pox, typhus, or cholera; thus, 181 deaths were referred to these diseases, being 51

below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 9; only one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and one in the Highgate Small-pox Hospital. The fatal cases of measles rose last week to 41 from 33 and 18 in the two previous weeks, but were 27 below the average; 5 belonged to Chelsea, 5 to St. Luke, 3 to Bethnal Green, 4 to Whitechapel, 3 to Stepney, and 5 to Mile End Old Town sanitary areas. The 24 deaths from scarlet fever showed a further increase upon the low numbers in the two previous weeks, but were 22 below the average; 2 belonged to Shoreditch, 4 to Bethnal Green, 2 to Lambeth, and 2 to Wandsworth sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1663 scarlet fever patients on Saturday last, against numbers increasing in the twenty-three preceding weeks from 559 to 1650; 154 cases were admitted to these hospitals during the week, against 152 and 132 in the two preceding The deaths from diphtheria, which had been 38, 30, and 33 in the three previous weeks, rose last week to 47, and exceeded the corrected average by 23; 2 belonged to Hammersmith, 7 to Paneras, 2 to Islington, 3 to Hackney, 2 to Shoreditch, 3 to Bethnal Green, 3 to St. George in the East, 2 to Stepney, 2 to Poplar, 2 to Rotherhithe, 3 to Wandsworth, 3 to Camberwell, 2 to Greenwich, and 2 to Plumstead sanitary areas. The 47 fatal cases of whoopingcough showed a further increase upon recent weekly numbers, and exceeded the corrected average by 2; 3 belonged to Bethnal Green, 3 to Stepney, 7 to Lambeth, 6 to Camberwell, and 3 to Greenwich sanitary areas. The deaths attributed to diarrhæa and dysentery, which had been 17 and 12 in the two preceding weeks, were again 12 last week, and were 4 below the corrected average; 6 were of children aged under five years, and 6 of persons aged upwards of 60 years.

The deaths referred to enteric fever, which had been 22 and 15 in the two

preceding weeks, further declined last week to 8, and were 13 below the corrected average; 2 belonged to Pancras and 2 to Hackney sanitary areas. The deaths of two children, aged 3 and 4 years, were indefinitely referred to "febricula." The Metropolitan Asylum Hospitals contained 123 cases of enteric fever and 10 of typhus on Saturday last; 11 cases of enteric fever were admitted

during the week against 7 and 8 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had increased in the six preceding weeks from 281 to 345, further rose last week to 432, but were

33 below the corrected average.

Different forms of violence caused 56 deaths, concerning all of which inquests were held. Of these 56 deaths, 4 were cases of suicide and 1 of "excusable "homicide," while the remaining 51 were attributed to accident or negligence. Four of these were caused by vehicles in the streets, 12 by burns or scalds, 3 by drowning, and 19 (including 15 of infants aged under one year) by suffocation.

# GREATER LONDON.

In Greater London 3052 births and 2158 deaths were registered, corresponding to annual rates of 28.2 and 20.0 per 1000 of the estimated population. In the Outer Ring 12 deaths from whooping-cough, 11 from diphtheria, 10 from measles, and 7 from scarlet fever were registered. The 11 fatal cases of diphtheria included 3 in Tottenham, 2 in Uxbridge, and 2 in Acton sub-districts. Of the 10 deaths from measles, 5 occurred in Walthamstow and 2 in Croydon sub-districts; and searlet fever caused 2 deaths in West Ham and 2 in Leyton sub-districts.

### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30·26 ins.; the highest reading was 30·46 ins. on Thursday evening, and the lowest 29·89 ins. on Saturday afternoon. The mean temperature of the air was 32°·1, and 10°·1 below the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably below the average throughout the week, the coldest days being Monday and Tuesday. The general direction of the wind was easterly, and the horizontal movement of the air averaged 6·5 miles per hour, which was 6·1 miles below the average in the corresponding weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0·23 of an inch. The duration of registered bright sunshine in the week was 8·4 hours, against 10·4 hours at Glynde Place, Lewes. Lewes.

		CITIES	BOROUGHS.	Cols.	- 28 Towns.	London.	PORTSMOUTH.	Norwich.	BRISTOL.	WOLVERHAMPTON.	BIRMINGHAM.	L'EICESTER.	Notingham.	BIRKENERAD.	LIVERPOOL.	ROLTON.	MANCHESTER	SALFORD.	OLDHAM.	BLACKBURN.	HIPPERTON.	HALIFAX.	Beangon	LEEDS.	SHEFFIRID.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGH.	DUBLIN.		
	FALL.	1	In Centi- nietres.	24.	0.91	0.61	100	- 08.0	1.22	94.0	1	1	1.17	1 1	12.0			1	1	1	1		0.40	3 1	)	1.14	1	1.52	-	00.0	0.94		
	RAINFALL		sadoni al	23.	0.36	0.53	F 1	1 0	0.48	0.30	1	1	0.46	1	0.98	1		1 1	1		1		00.00	2 1	1	0.45	1	09.0	_	00.9	0.37		
S AIR.		an.	Centigrade.	22.	1.00	90.0	00 1	1 0	00.0	41.0-	ŧ	1	<b>%6.0</b>	1 1	1.67	1		1 1	1	1	1	1 8	1.10	2 1	1	84.0	1	1.28		3.00	- 86.7	C.	
OFTE		Mean.	t'shrenheit.	21.	33.0	82.1	0 00	100	32.0	31.7	1	1	33.7	1	35.0	1		1 1	1	1	1	1 1	2	2 1	1	83.4	1	34.3	1	87.4	4.68	200	
TEMPERATURE OF THE AIR.	l	.1	pheit Lowes	20.	0.12	7.23	0.77	1 00	0.70	23.0	1	ı	6.47	ı	8.46	1		1 1	1	r	ı	1 1	0.00	3 1	1	23.0	1	28.0	1	25.0	9.2.6	0 67	
TEMPE		.18	Fahrenheit Lowes	19.	48.2	37.8	1.80	- 0.07	40.5	42.8	1	1	41.3	1	8.67	1		1 1	1	1	ı	1 1	1100	0 1	1	41.0	1	45.0	1	45.4	40.8	0.04.	
Kate	nding .	he Deaths	From Diseases in Cols. 6-12.	18.	2.1	2.2		1 5	9.1	3.5	2.0	8.0	8.1	4 ·	10 1	4.1	7.1	4.0	1.8	3.4	2.0	1 .5	0 0	1.5	1.3	8.7	2.2	2.3	1.4	8.1		7 0	
Annual Kate	corresponding	to the Week's Deaths	Mrom All	17.	21.2	2.02	19.5	23.5	19.8	4.83	18.6	0.81	17.3	20.1	0.86	1.61	04.40	9.13	1.61	25.0	26.5	20.02	9 4 5	7.46	21.2	8.97	8.13		25.5	26.4	25.3	0 /2	
-			offiteerigo	16.	93	133	q 1	00	1 70	ı	හ	-	н	23	1 16	1 1		20 70	63	2	e2 .	<del>41</del> c	1 .	क भ	4	4	1	ಣ	7	45	25.00	20	
ı		.81	Public	15.	636	00 c	2 03	20 F	10	90	26	6	00 1	- G	46	7	14	13	20	00	63 (	20 0	4 0	00	10	11	6	6	00	24	28	0.22	turn.
	Ì		riadtse(I	14.	292	126	£1 0.1	4	4 9	Н	18	70	10 1		# 66	1 -	, c	9	63	တ	00	20 -	٠ .	70	9 00	7	9	2	6	م و	p. 14	٥	his Re
	200	-	Violence.	13.	143	1 92		67	1 00	7	10	7	4 :	-	1 0	0 1	(	10	1	67	7	6.2	1	io n	0 07	-	00	20	7	1	9	٥	ge of t
abulani daa Wada maana ahaa maana ma	n Incin		.amdrraid	12.	33	12		1 1	7 67	1 1	63	1	1	ı	1	1 1		1 4	9 00	1	ı	1	1	27 r		-	1	Н		Н	4 0	00	See note on first page of this Return.
Wool	20 11 20		Ferer.	11.	39	10	1 63	p-4 ;	٦ ،	ı	-	7	1 1	0	7 4	7 -		23 65	1	г	67	-	23	1 0	3 1	ı	Н	1	1	-		12	on fi
in th	וות גם	rom	Whooping-	10.	87	47	1 21	1 1	1 4	8 01	1	ı	Н	ı	1 9	ے د	3	භ <b>ෙ</b>	3 -	1	1	£	1	- 0	4 1	6	1	H	1	00	000	20	e note
	18tere	Deaths from	Diphtheria.	· 6	29	47		1	1		ı	1	ı	-	1 0	c7 r	۲	Η,	o 1	1	22	H	t	1	1 0	3 1	-	67	1	-	en 1	-	* Se
	res reg	De	Searlet Fever.	o o	20	24	1 1	1 4	ж ж	4 1	22	1	ı	1	1 1	2 0	1	60 G	۱ د	ŭ	1	ı	1	1 0	21 H	ے د	-	-	61	-	63	1	
	DEAT		Messles.	7.	87	41	1 1	જ	1 1	0.3	6	1	10	ı	'	9	1	co 1		4 67	1	1	1	20	٦.	. 1	4	-	1	1	භ	63	
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HS, DEALIES,		l lo	Persons axed 60 Years and upwards.	5.	1016	480	17	21	00 0	15	40	16	02	14	10	47	٥	39	10	0 10	13	15	11	34	40	200	10	17	12	23	54	44	
HS, D		Deaths	l Year of Age.	4.	904	353	0 91	12	13	08	41	1 1/2	10	22	00	61	20	42	20	× 1	17	G.	00	22	\$	220	67	16	19	33	62	35	
-DIK	during	guipa		63	3946	1683	39	42	200	45	165	62	79	28	58	267	42	198	26	20 10 10 10 10 10 10 10 10 10 10 10 10 10	53	53	38	109	174	107	26	69	10	135	256	188	ı
TABLE LDIR	Registered during	the Week ending	7th Dec., 7889.	oi	5354	9270	47	15	56	145	090	70	121	62	72	349	81	240	119	67	59	99	46	131	906	196	80	611	78	135	363	236	
		OPULATION 4	to the middle of the the Year 1889.	1.	0.555 406	4.351.738	191,807	141,253	78,225	229,361	4K4 09K	404,000	287,812	68,529	102,541	606,562	114,679	878,800	284,283	191,975	104,194	92,825	81,080			900 017		160,983	112,712	266,500	528,144	353,082	
		117"		Cols.	1		•		•	· NOL	1		•		٠	•	٠	4			٠	- CD		•				•	•			•	
			AND AOROUGHB.	3	# BW THO CHI GO	TOWNON .	BRIGHTON .	PORTSMOUTH .	PLYMOUTH .	HRISTOL .	WOLVERHAMFICE	ISTEMINGHAM.	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL .	NOTTON -	MANCHESTER	SALFORD	ULDHAM .	PRESTON .	HUDDERSFIELD	HALIFAX .	BRADFORD	LEEDS	HTIL	SUNDERLAND	NEWCASTLE*	CARDIER*	EDINBURGH -	GLASGOW -	DUBLIN .	

TABLE 2. LONDON .- Births and Deaths Registered in the FORTY-NINTH Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males  Females .	2470	2461	2380	2520	2346	2385	2504	2485	2497	2644	2692·6	2270
	1280	1271	1200	1310	1237	1232	1257	1270	1237	1367	1375·2	1139
	1240	1190	1180	1210	1109	1153	1247	1215	1260	1277	1317·4	1131
Total Deaths  Males Females .	1888	1398	1521	1669	1628	1764	1474	1738	1577	1461	1757·6	1683
	992	744	784	818	819	817	741	906	781	792	893·5	820
	896	654	737	851	809	947	733	832	796	669	864·1	863

The numbers in this column are the average weekly numbers in the forty-ninth weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population.

TABLE 3. L()NDON.—BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEERS.

	LE 3. HONDON.					_								
		Sept.	Sept.	Sept.	Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.	Nov.	Nov. 9.	Nov.	Nov. 23.	Nov. 30.	Dec.
TOTAL	Births	2432	2344	2504	2364	2595	2518	2580	2623	2658	2522	2517	2321	9270
TOTAL	Deaths	1236	1267	1361	1381	1821	1410	1310	1317	1350	1451	1375	1448	1683
Ages a	t { 0-20 years - 20-40 , - 40-60 , - 60-80 , at 80 years & upwds.	583 164 207 233 49	599 157 248 216 47	644 186 244 245 42	630 201 230 261 59	581 187 227 263 63	590 209 274 272 65	562 163 250 283 52	599 200 209 253 56	606 181 245 265 53	667 188 254 265 77	660 176 259 222 55	647 184 266 292 59	713 196 294 392 88
99.	\begin{cases} \text{Under 1 year} & - \\ 1-5 & - \\ 5-20 & - \end{cases} \tag{-}	313 204 66	332 182 85	386 165 93	376 172 82	321 175 85	320 187 83	276 200 86	323 212 64	310 209 87	348 235 89	335 233 93	333 227 87	353 265 95
Deaths	from Small-pox ,, Measles ,, Scarlet fever ,, Diphtheria ,, Wheening cough	10 17 41 18	25 44 26	7 22 44 23	9 20 45 14	13 15 35 14	23 25 41 26	17 27 37 22	22 10 31 21	20 23 23 24	33 24 38 37	33 17 30 31	18 19 33 44	41 24 47 47
99 99 99 99	Whooping-cough Typhus Enteric fever SimpleContafever Diarrhoa and	19	11 1 78	2 19 1 80	19 2 52	14 1 16 -	1 11 2 22	1 21 1 15	19	11 -	1 20 -	22 2	15 1 1	8 2 12
,,	Dysentery - 5, Cholera -	-	1	-	1	. =	-	-	-	1	-	-		-
,,	", all the above-) mentioned Diseases	175	184	198	162	122	151	141	130	120	169	152	142	181
"	,, Dis. of Respira- tory System }	152	142	189	225	264	300 184	281	300	318	321	328	345	432 161
"	,, Dis. of Circula- tory System	102	110	112	123	127	115	115	104	122	121	113	126	165
Inques	Deaths Cases in Public Institutions	101 316	54 96 324	62 119 336	62 119 335	50 99 314	57 112 332	49 101 319	59 123 309	51 97 313	65 122 363	57 114 314	53 113 336	56 126 358
Mea:	RATURE OF THE AIR of Highest readings - of Lowest readings -	63°.0 74°.6 53°.8	51·1 62·2 41·6	50.6 58.9 42.9	48.9 56.7 43.8	49·8 58·4 42·6	49·4 57·8 41·6	46·7 53·7 41·5	47·8 54·0 41·4	47·3 53·3 40·8	46.8 52.7 41.0	41·9 48·2 41·3	37.6 43.4 32.0	32·1 35·8 27·8
Rain-fa	ity of the Air	76 0·00 43·4	74 0·25 40·2	ε0 0·85 17·4	89 0·90 10·0	82 0·57 31·1	88 0·70 17·3	94 1·07 8·1	88 0·78 23·1	90 0·26 3·9	93 0·01 11·9	94 0·13	84 0·32 5·9	85 0·23 8·4

### METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; F. Sampson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nettingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Preston; J. Mela adsborough, Esq., F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON .- DEATHS Registered at several groups of AGES from different Causes in the

				E	OR	TY-N	INI	CH .	We	ek of the Year 1889.									
	the	38	In	the	Wee	k en	ding ber 1	1889.			for the years	S	iturd	n the	we we	ek er	nding	1883	1
	s for 10 ye		De	aths	of P	ersor	1ª of							aths	of P	ersor			-
	Averages		l n	nder	1	0,	30.	30°	7	CAUSES OF DEATH.	Averages sks of the 10 1879-88.*	-17-0	1 ,	-	he A	-0 9 9	600°	36.	-1
CAUSES OF DEATH.	77	E.B.		20.		under	under 60	under	s and	CAUSES OF DEATH.	eeks o	E.S.	_	nder 20.		under 4	under 6	er	la.
	\$\$	L AGES		5.	20.	and u	n puw	and u	upwards.		¥ Ket	L AGES	Į		20.	and ut	and un	nd ur	Years
	Correct 49th	ALL	0-1.	1-6.	5-20,	20 8	- FE	60 8	200		Corre 49th	ALL	0-1-	1-5.	5-2	20.8	40 a		36
ALL CAUSES	1757.6	1683	353	265	95	196	294	392	88	Diseases of Organs of Special Sense †	2.7	1	-	-	-	-	1	-	-
Small- (Vaccinated)	} 9.2	-	-	-	-	-	-	-	1 -	Diseases of Circulatory							_		-
pox Unvaccinated No Statement	1	-	-	-	-	-	-	-	-	System}	127.0	165	1	1	7	23	49	75	9
Measles	68'1	41	7	30	4	~	-	-	-	Croup	15.8	14	1	7	6	-	-	_	-
Searlet Fever	46'1	24	2	19	2	1	-	-		Bronchitts	290.4	286 104	78 33	52 81	5	9	39	87 14	19
Typhus Relapsing Fever †	0.0	1	-	-	-	-	1	-	-	Pleurisy Other Diseases of Respi- \	6'1	24	6	4	1	1	3	9	-
Influenza	0.1	-	-	-	-	~	-	-	-	ratory System}	42'0	24	0	*		_		9	
Whooping-cough	23.6	47	18	27 31	11	2	-	_	-	Dentition †	10.8	6	4	2	-	-	-	-	-
Diphtheria Simple Continued and	2.4	2		2	-			_	_	Quinsy, Sore Throat † -	2.6 6.9	7	2	2	1	1	-	3	
Ill-defined Fever - 5	21.4	8	_		5	2	1	_		Peritonitis Diseases of Liver	83.3 6.1	7 38	3	-	3	9	12	14	-
Enteric Fever Cholera	0.4	-	-	-	-	_	- (	_	-	Other Diseases of Digestive System -	29.6	23	2		-	5	8	7	1
Diarrhœa, Dysentery -	15.6	12	4	2	-	-1	-	3	3				_						
Remittent Fevert	0.9		411		-			-		Diseases of Lymphatic ) System & of Ductless }	2.3	4	-	-	1	2	-	1	-
Hydrophobia Glanders	0.0	П	-	_	_	-	-	_	-	Glands †)							_		
Cowpox and Effects of \ Vaccination † }	0°2		-	_	-	-	-	_	_	Diseases of Urinary	40.2	44			1	4	16	23	
Venereal Affections -	11.0	9.	5	2	-	_	-	2		System}	40 2				_				
Erysipelas	9.7	6	8		-	-	2	1		Disagram of Commetical									
Pyzmia and Septiczmia †	3.3	7	-	1	_	7	-		۰	Diseases of Generative System Accidents of Childbirth -	5·9 3·7	3			_	2 3	5	1	
Puerperal Fever Other Zymotic Diseases †	2.6	4	-	2	1	1	-	-		Accidents of Childoren -		-				-		_	-
	2.2	2	2		_					Diseases of Locomotive	8.2	8	-	2	8	~	2	3	-
Thrush Worms and other Para-1	0.3	1.				-	1	_					_						
sitical Diseases}				_						Diseases of Integumen- tary System}	2.9	5	8	-	-	-	-	-	2
Starvation, Want of	1'4	1	1	_	-														
Breast-milk †}	4.0	5	-	_		4	1			VIOLENT DEATHS.§									
		_	-	-	-			-		(ACCIDENT.)									
Rheumatic Fever. \\ Rheumatism of Heart \}	8.7	5	-	-	2	1	2	-	-	Fracture and Contusion Gunshot Wound	18.3	15	-	1	2	8 -	7	2 -	-
Rheumatism †	2.7	2		-	-	-	-	2		Cut, Stab Burn and Scald	0.9 7.1	12	-	6	3	ī	1	1	ī
Gout Rickets †	3.2	7 3	2	-	-	-	5	2	-	Poison	1.6	3			1	2	-	-	
Cancer	52.2	56	-	1	1	1	29	21	4	Suffocation Otherwise	15.3	19	15	1	1 -	-	1	-	1
Tabes Mesenterica -	21.8	19	8	6	3	2	-	-	-				-	-			-		-1
Tubercular Meningitis -	26'2	20	8	8	4	-	-	-	-	(Homicide.)									
Phthisis Scrofula, Tuberculosis -	170'4	161	3	3	11 4	68	63	11	-	Murder & Manslaughter	2.1	1	-	-	-	1	_	-	
Other Constitutional	1	12	1	-	1	5	. 1	4	1	(9,000,000)									
Diseases †)						-	1	-	-	(SUICIDE.) Gunshot Wound	0.5	-	-	-	-		-	-	-
Premature Birth	38.7	35	35	-	-	-	-	-	-	Cut, Stab Poison	1.2	1 1 1	-	-	-	1 1	-	-	-
Atelectasis +	4.0	2	2	-	-	-	-	-	-	Drowning Hanging	0.4	1 -1	-	-	=	1	-	-	-
Congenital Malforma-	7.7	5	5	-	-	-	-	-	-	Otherwise	0.3	1	-	-	-	-	-	1	
Old Age	54.8	65		-	-	-	-	30	35										
Apoplexy	48'5	61	2	-	-	4	16	37	2	(EXECUTION.) Hanging	0.1		١.			-	-	-	
Epilepsy		8	-	-	-	5	1	2	-	Attingong			-			_		-	
Convulsions		34	31	3	-	-	-	-	-	OTHER CAUSES †	59.7	52	45	5	-	-	-	1	1
Other Diseases of Brain and Nervous System	87.0	87	12	11	5	6	12	33	8	I STATE OF CORRECT OF					1				
		-	-					1	l	"		-	-						

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9'046 per cent, for increase of population. As the ten years average could not be correctly ascertained, the average for the seven years 1882-8 has been used.
Those cases of small-pox only are returned, as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the descased has, or has not, been vaccinated, or when the cause of death is not cartified by a registered stitioner, the case is returned under the heading "no statement."

The strikeness at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, aslaughter, or suicide. All such cases are classed under "accident or negligence."

Table 5. LONDON.—FORTLATION; BIRTHS; DEATHS from all Causes, and from Small-pox, Measles, Scarler during the Week ending

		- 11		-			The	DEA	ras r	egiste	red i		Wee	_	ude	COL		
				Deat	hs of		7110			Death								
REGISTRATION SUB-DISTRICTS.	Enume- rated Popu- lation, 1881-	Total Birres	Total DEATES.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterie (or Typhoid) Fever.	Simple con- tinued Fover.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
LONDON - · ·	3,815,704	2270	1683	353	480	_	41	24	47	47	-	8	2	12	56	126	358	13
WEST DISTRICTS  NORTH DISTRICTS  CENTRAL DISTRICTS  EAST DISTRICTS  SOUTH DISTRICTS  METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON  WEST DISTRICTS.	669.633 905.947 282,238 692,788 1,265,148	330 507 116 461 856	301 374 100 353 554	55 65 15 78 140 -	89 119 25 86 161	-	7 4 6 18 6	4 6 - 4 9 1	3 15 4 10 15	9 2 2 13 21	-	- 4 2 - 2	1	3 5 - 3 1	10 14 2 16 14 -	19 86 7 85 29	70 74 23 94 96 1	2 9 -
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J. Kensington Town Ww - W.M. & C.	120141	49 9 52 15	32 8 56 6	11 1	11 2 21 1	-	-	-		2 -	-		-	-		2 1	5 3 11 2	
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G. J. Fulham Wester	7599 64340 42900 30396	3 43 4b 7	1 47 32 15	11 12 2	1 18 5 8	1111	5 -	1 2 - 1	1	1 -		11111	11111	1 - 1	4 -	5 -	4 5 4 7	
Chelsea North-west WHHHHHH- C. Chelsea North-east Chelsea North-east May Fair WW G.J. Relgrave WHHH C. St. John Westminster HHH - C. St. Margaret Westminster H - C. St. James Westminster WHH N.R. & G.J.	24925 32807 80353 59220 35496 24679 29941	8 20 2 29 16 10 10	15 10 16 16 16 18 18	2 2 5 1 2	4 3 8 7 6 3 1	1 4 1 1 1 1	1		1 1 1 1 1 1	1 - 1		1 11111		1	2 - 1 1	2 - 1 1	9 7 10 - 8	2 -
NORTH DISTRICTS.  Ali Souls Marylebone HHHHH W.M. Cavendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone HH - W.M.	26759 14891 24809 1. 21118 33700 33633	10 3 17 28 22 8	9 6 8 4 12 14	2111333	1 1 3 1 3 6	111111		111111	11111		111111	111111			1 2 2 1 -	1 1 2 2 1 -	5 - 1 - 1	111111
Hampstead Www H N.R. & W.M. Regent's Park Paneras H - W.M. Tottenham-court whihhh N.R. & W.M. Gray's lan Lane HHH - N.R. Somers Town H - N.R. Camden Town WH   N.R. Kentish Town W - N.R.	89115 27729 30247 84369 17811 87487	32 21 15 19 14 9 35	20 11 15 17 17 21 39	3 1 1 2 4 1 9 8	8 5 7 5 11 9	1 111111 1	1	1	1 - 3	1	11111	1	1	1 1 1	1	1 4 1 3 2 2 2 1	7 11 6 2 12 3 11	
Upper Holloway WWwH	100976 61825 52048 22781 9277 87610	45 71 80 19 13 3 17	38 39 14 16 8 4 9	941	14 3 7 4 -	1111 1111	1	1 1 3	1 1 - 4	1111 1111	111111	2	111 1111	1	1 - 1 - 4	1 2 - 7	15	111111
Hackney Weever - E.L. South Hackney E.L  CENTRAL DISTRICTS.  St. George Bloomabury - N.R. St. Giles South WH N.R.	16681 14864	55 26 5 12 5	45 8 8 9 2	1 1 1 1 1	4	1111	1	111		1 1	-	111			-1	1	2	1 111
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R. St. Clement Danes H N.F. Strand Union Workhouse, Edmonton w	17508 7515 8559	3 2 5 -	6 1 3 2	1 - -	1 1	1111		-	1 -			-		-	1111		1 2 2	1111
St. Geothe-Martyr HHHHHHH N.F. St. Andrew Eastern W - N.F. Safron Hill H - N.F. St. James Clerkenweil - N.F. Anwell Clerkenweil - N.F. Goswell-street - N.F. Old-street H - N.F. City-road HHL - N.F. Whitecross-street - N.F. Finebury - N.F. Holborn Union Workhouse, Michael	10706 6588 1. 17516 1. 19281 14773 1. 17506 1. 11541 18628 2. 9217	3 12 11 6 9 1 14 4 3	4 3 3 5 8 8 8 8 9	3 - 1 - 1	111	-	1 3 3 -	-				1			1111111111111	1	1	111111111111
St. Botolph H N.B.&E.  Cripplegate N. St. Sepulchre H N. St. Bride W N. Allhallows Barking - N. Broad Street H N.	R. 7198 R. 5358 R. 8396 R. 13666	1 - 3 1	4	-	3			-	2	-	-	1		11111	1	1 1	8	11111

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; w—A Workhouse Establishment receiving immates from other Districts than that in which it stands, see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L., Rast London, and K., the Kent Company.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

							Th	a De	THE	regist	ared.	n en	UP		1112.00-			
	Enume-			Dea	ths of	1				Death			11 08	× (118	ude	1	,-	
REGISTRATION	rated Popu- lation, 1881.	Total BIRTHE.	Total DEATHS.	Infants under ! Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con-	Diarruca.	Violence,	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes
EAST DISTRICTS.  lywell Shoreditch - N.R. & E.L. Leonard Shoreditch $HL^{\oplus}$ - N.R.  xton New Town $w$ N.R.  xton Old Town N.R.  xgerston $WH$ N.R. & E.L.	7876 14967 39937 28036 46275	3 7 17 19 83	2 4 19 10 24	1 2 5 6	- 1 10 8	11111	3 -	ī	- 1	1	1111	11111	11111	- - -	1111		3 9 7	- 1 - 2 -
thal Green North $H$ E.L. thal Green South E.L. thal Green East $WHL^*$ - E.L.	51157 34399 41405	29 25 31	22 13 31	7 4 6	1 8 6	-	$\frac{1}{2}$	2 1	2 -1 -	8 -		-	-	1 1 1	- 2	1 2 2	10	111
alfields E.L. & N.R. e End New Town W - E.L. & N.R. tachapei Church H E.L. & N.R. & R.L. egate E.L. N.R. & E.L.	22585 15473 17490 9713 6102	17 20 8 4 4	10 11 30 4 2	8 1 2 2	3 2 5 2 -	1111	1 1 - 1	11111	. 1 83 1 1	1 -					1 6 -	1 1 9 1	8 22	1 1 1 1 1
George's North E.L. John, St. George East W - E.L.	88747 8410	21 8	10 14	4 -	1 7	-	-	-	1 -	- 1	-	-	-	-	- 1	1	10	-
dwell HH E.L. & N.R. eliff E.L. and eliff E.L.	10895 16107 82041	8 11 29	5 9 12	2 2 4	1	=	1 2 1	7 -	ī	1 2	-		-		1	1 1	4	
e End Old Town West - E.L. e End Old Town East WwwH-E.L.	37960 67653	25 38 26	8 40	2 13	8	-	14	-	1.17	2	-	-	-	1	ī	3	7	1 1
mies wwwH E.L.	37074 64359 55077	52 81	14 38 21	2 8 7	14 5	-	-	1 1 1	ī	2	-	-	-	111	1 2 2	1 5 6	13	
South Districts   South Districts   South Wark   WH   L. & S.	18668 14999 21881 15953 21318 26672 59555 21623	6 5 16 17 13 19 47 19	3 1 6 8 11 5 21 10	1 3 5 4 3 6 2	1 - 1 - 9 8	1111111	1	1			1111111	1111111			112111	3 1	1 2 3	1
Olave WH S. & L.  ther Market S. & L.  Mary Magdalen W S.  James Bermondsey - S.  therbithe WH - S. & K.	11956 16300 15669 54682 36024	14 5 7 31 23	14 2 9 14 16	1 1 2 5	2 - 3 3 2	11111	1	1111	1 - 2		1111		1111	1111	3 - 1	4 - 2	11 5 	
terloo-road lst	15195 16351 19876 39859 45232 35332 62837 19017	9 15 9 80 23 19 89	4 3 18 25 20 10 25 7	- 268274	- 6 6 9 5 5	1111111	1110111		- - - - - -	1 2 - 2 2	1111111	1	1111111	1		1111	11 9 - 1	
t Battersea	54675 52587 36380 28004 18235 25553	52 43 19 18 10 19	18 25 15 8 4 11	5 4 3 1	5 14 5 5 1 7	111711	11111	1	1 1 1 -	1 2	111111	11111	11111	11111	ī - 1 1	2 - 1 1	7 3 -	1 - 1
wich L. & S. aberwell $W_{s0}L^*L^*$ - S. & L. kham $W$ - S. l., & K. George Camberwell - L. & S.	5590 59104 71089 50810	44 42 37	4 40 29 25	2 4 6 11	- 14 9 6	1 1 1	111	1 1 1	1	1 2 3	-	-		-	1	1 2	14 1	
Paul Deptiord ww - K. Nicholas Deptiord - K. cawich West H - K. abwich East WHH - K.	76752 7901 21972 24608	60 2 9 25	40 6 10 20	12 2 2 3	7 1 2 9	1 1	1	5 -	8 -	1 - 2		ī	1	1 1 1	- 1	1	8 -	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	6 4 16 11	5 7 13 9	2 4 6 3	1 1 5 2	1 1 1	- .1		-			-				1	1 2 1	1 1 1 1
riton H// - K.  slwich Dockyard - K.  slwich Arsenal HH - K.  mstead, West H - K.  mstead, East W - K.	10980 17617 1904> 14009 19241	11 4 13 16 7 21	6 7 6 2 12	2 3 2 1 4	2 3 1 - 4	1,1111		1 1 1 1 1	2	1	1 1 1 1 1	1 1 1 1 1		1 1 1 1 1 1	1 1	2 - 1	1 - 1	- 1
ropolitan Asylum Hospitals: Dartford w Winchmore Hill w Plaistow w		-	1	1 1 1			[11]	1				-	1 1 1	-		1 1 1	ī	

e following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the

Arylebone Infirmary in Kensington Town sub-district.

Boutral London Sick Asylum in Totecham Court-road sub-district.

Boutral London Sick Asylum in Totecham Court-road sub-district.

Boutral London Sick Asylum in Totecham Court-road sub-district.

Boutral London City Workhouse

Harney sub-district.

Whitechapel " Horton New Town sub-district.

Whitechapel " Horton New Town sub-district.

Mile End Old Town Eastern sub-district.

Privata Longuis Carly London City " and Brownley sub-district and Brownley sub-district.

Privata Longuis Asylum District Of School Carly Court Lastern Longon City " and Brownley sub-district and Edmonton, and West Ham sub-districts, and Edmonton, and West Ham sub-districts of Bethnal Green was re-divided into three instead of four registration sub-districts. Stepney Worknouse in Bromley sub-district.

Poolst & Stepney Sick Asyjum

Westmuster Union Industrial Seniol in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Saviour's Indramary in Camberwell sub-district.

Metropontan Asyjum District Hosoitais in Fuinam, Hampstead, Hackney, Britton, and St. Paul, Deptord sub-district, and in Dartford,

Edmonton, and West Ham sub-districts outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

				Week	endir	ig Sa	urda	y, 7ti	Dec	embe	r, 100	9.	-			_	_	_
'egis-		Area in						1	he DE	ATHS	registe	red in	the W	eek i	nelude			
ration District		Acres, inclu-	Enume-		**	Deat	hs of			1	Deaths	from					9	808
and Sub- listrict Num- bers.	REGISTRATION SUB-DISTRICTS.	ding Tidal Water and Fore- shore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Kerer.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Public	Uncertified Causes
	VDON-OUTER RING	370,924	010 024	782	475	121	122		10	7	11	12	1	2	8	19	65	8
1205	TOTAL RING	010.025	950,957	102	470					-			-					-
30:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	27118 10710	10 2	20 5	3 2	4 8	-	-	-	-	2 -	100	1 1	-	-	10	- Confidence
37:1	Godstone (part of) * -	2754	1235	-	-	-	- 1	-	-	-	-	-	-	-	-	-	-	1
38:1	Croydon WwEHI -	20851 11697	101241 17932	55	46	6	15 1	-	2 -	-	-	2 -	-	-	-	8 -	10	J. W. C.
39:1	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	16	8	4	8	- 1	. 4 =		-	-	-		1	1	1	1
3	Esher (part of) * -	6601	9221	6	1	1	-	-	-	-	-	-	-	-	-	- 1	-	
40:1	Hampton H Richmond WH	4578 2272	18539 21302	7	5 12	1	6	-	-	-	-	-	-	-	-	-	2	
41:1	Mortlake Bromley (pt. of) * HH	2941 15669	12331 81142	22	7 16	7	3	-	-	_	1	1	-	_	_	_	_	
2	Chishrst(pt.of)* WHH	14307	15844	4	1	-	1	1	-	-	-	- 1	-		-	1	-	,
42:1	Bexley H Dartford (Ww, pts. of)*	18437	24134	24	8 2	3	1 -	-	-	-	-	-	-	-	-	-	2	
124:1	Staines W-	11055 13277	11685 12089	<i>5</i>	4 11	1	1 4	-	-	-	1	-	-	1 -	1	2	1	1
125:1	Hillingdon WHH	6029	10802	8	6 3	1	3	-	1	-	- 2	-	-	-	-	-	2	, ,
3	Uxbridge Hayes wHL -	14587	11528	10	6	-	1	-	-	-	-	-	4	-	-	-	3	
196 l	Isleworth WHH Twickenham H	7008 2477	22727 12479	10 7	12 5	1 2	1	-	-	4	-	2 -	-	-	-	1 -	4 -	
3	Brentford HL Chiswick	4345 1840	27849 15975	21 12	9	7	1 2	-	-	1	-	1	-	-	_	2	-	
127:1	Acton wH	6088 13909	22876 12796	25	18	6	2	-	-	1	2	_	-	-	_	_	-	
2 3	Edgware H	6994 4883	3749 27458	29	-	4	-	-	-	-	-	-	-	-	-	-	-	
١.	Willesden	8389	10484	13	10	4	4	-	-	-	-	-	-	-	-	-	5	
137:1	Bushey Watford (W, pt. of)* -	9331	6621	2 -	3 -	-	2	_	-	-	-	-	-	-	-	-	-	
128:1	South Mimms	15599 5483	6391 10092	3	2	1	2	-	-	-	-	-	-	-	-	-	-	
3	Finchley HL	4688	17615	8	14	8	3	-	1	-	-	-	-	-	-	1	7	
135:1	Hatfield (part of) * - Hornsey H	3039 3039	583 37078	25	14	6	4	-	-	-	-	-	-	-	-	-	-	
3		4642 7463	46456 23463	63 19	37 9	13	9	-	-	-	3 -	1	-	1 -	1 -	1 -	3	
5	Lindold III	12653 11017	19104 5368	21 3	10	5	2	-	-	-	-	-	-	-	1 -	1 -	-	
186:1	Chesnunt	8480	7735 38603	10	-	4	-	-	-	1	-	1	-	-	-	-	-	
2	West Ham wwwwH\$-	7351	101058	129	58	17	3	-	1	2	1		1	-	-	-	- 6	
3	Waithamstow H -	6520	32430 28869	43 21	21	8 8	4	-	5	2 -	-	1 -	-	-	-	1	-	
187 : 1	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9659	9	6	-	3	-	-	-	-	-	-	-	0	-	1	
189: 1		6730 8493	3411 7645	7 15	5	-	1	-	1	-	-	-	-	-	2 -	2 -	3	
	Barking Town	4127	9203	_	3	1	-	-	-	-	-	-	-	-	1	1	-	

<sup>\*</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow 30: 2. Epsom suo-district, except the parishes of Asinstead and Headley (pop. 1265); 37: 1, the parishes of Warlingham and Farley in Godstone subdistrict; 39: 3, Esher suo-district, except the parish of Esner (pop. 1993); 41: 1, Bromley suo-district, except the parish of Esner (pop. 1993); 41: 1, Bromley suo-district, except the parish of Chelsfield (pop. 347); 135: 1, the parish of Northam in Hattle, sub-district; 187: 1, Chrawell sub-district, except the parish of Theydon Bois (pop. 347); 135: 1, the parish of Dagendam in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 187: 1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

<sup>‡</sup> Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 7th December, 1889.

		Area			LRATE			The Da	ATHS	regi	stered	l in t	he W	ee <b>k</b> i	inelud	le	
	GREATER	in Acres, including	Estimated Population,		0 living.	DEATHS	Deat	hs of			1	Death	s from	m		_	Public lons.
	LONDON,	tidal water and foreshore.	middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.	Deaths in Pu
	Cols.	1.	2.	3.	4.	ð.	6.	7.	8.	9.	10.	11.	12.	13.	11.	15.	
t K	ATER LONDON	448,334	5,642,015	20.0	2.1	2158	474	602	_	51	31	58	59	11	14	64	423
	NNER LONDON - UTER RING -	77,410 370,924	4,351,738 1,290,277	20°2 19°2	2·2 1·7	1683 475	353 121	480 122	-	41	24	47 11	47 12	10	12 2	56 8	358 65

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,681,747 Persons.

	POPULATION	5			ANNUAL	Di	EATHS		I PRIN	ES.	ZYMO	
CITIES.	(enumerated or estimated).	DATE OF RETURN Week ending	(Crolunivo	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
LCUTTA	433,219	October 1	_	213	25.6	1 -	1	-	-	-	62	32+
OMBAY	773,196	November	368	449	25.7	1	1	2	2	2	140	46†
ADRAS	398,777	October 1	327	301	39.2	_	6	2	9	2	74	66
RIS	2,260,945	November 3	1212	1020	23.5	2	17	5	30*	8	28	
RUSSELS h 8 Faubourgs.)	471,606	,, 3		178	19.6	-	1	-	-	3	1	56 8
MSTERDAM -	403,083	,, 3		_	_	_	_		_			_
OTTERDAM -	197,723	,, 30	-		-	_	_	-	-		_1	_
HE HAGUE -	153,440	,, 3	. –	-		-	-	_	_	_		-
PENHAGEN -	307,000	,, 30	210	113	19.2	_	_	1	11	4	1	4
OCKHOLM -	228 218	,, 25		82	18.7		_	4	5*	~	2	4
IRISTIANIA -	138,300	,, 30		66	24*8		3	2	7	1		3
PETERSBURG	842,883	" 1e	-	439	27.2	-	15	16	2	2	7	46
BRLIN	1,489,672	,, 16	868	497	17.0	-	1	5	35	9	6	31
AMBURG(State)	£75,276	,, 25	384	217	19.7	_	1	4	10*	7	4	7
RESDEN	264,196	<sub>33</sub> 25	168	95	18.7	5	4	-	6*	9	_	3
LESLAU	315,000	,, S(	216	148	24.2	-	-	_	13*	2	2	10
UNICH	281,000	,, 28	196	115	21.0	- 1	1	***	11*	-	1	13
ENNA	811,434	99 28	473	349	20.3	-	10	1	8	3	-	15
AGUE	304,356	,, 28	- 1	127	21.8	1	-	3	4	2	-	9
DA-PESTH -	452,907	99 23	346	254	29.2	-	-	3	26	2	13	19
IESTE	158,084	» 28	-	65	21.4	2	- {	-	4*		1	2
)ME	407,936	September 28	_	_	_		_		_	_		-
TRIN (10 days)-	306.398	November 10	245	157	18.7	-	1	1	2	-	5	22
NICH	154,369	,, 23	79	93	31.4	22	-	-	1	~		. 9
IRO	374,838	,, 14	478	341	47.5	1	1	_ 1	4*	4	17	122
EXANDRIA -	231,396	,, 14		173	39.0	1	-	-	2*	-	10	54
W YORK -	1,571.300	. 16	-	607	20.2	_	3	2	16	7	11	11
OOKLYK -	834,607	, 16		294	18.5	_	-	5	22	- 1	5	1
ILADELPHIA -	1,040,245	» 16	11	370	18.6	_	_ ]	6	8	3	8	3
LTIMORE -	500,343	,, 16	11 1	125	13.0			1	4	2	4	2

<sup>\*</sup> Including deaths from croup.
† Including 5 deaths from cholera in Calcutta, and 2 in Bombay.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OSSERVATORY, GREENWICH, during the Week ending Saturday, December 7th, 1889.

									-	Comment that we can come	-								ı				ı
per.	3ARO-		TE	HPERA	TURE.		Di	ference 1	etween			TEMPE	RATUR	E.		Wind as de	educed f	rom Ane	emomete	ers.		Rain	
X	fean fean					Of th		Air Tem	peratur	_	l .			Water		Osler's.						in a	
-	laily		Of t	he Air.		Poin		Tempera	ture.	-		of Liation.		Thames	П	Direction.	Pre	ssure on	the ot.	Robins		whose	Ozone
												Lowes	High-	Low-	A.M.	P.M.	Great-	Least.	Mean of 24 hourly obs.	Horizontal Movement of the Air on each Day.	Departure from Average of 16 Years.	surface is 5 inches above the Ground.	
30					1		-		~	73	63.2	0 19'3	0 42.6	41.4	ESE.	ESE, & SE.	lbs.	1bs. 0.0	1bs. 0.0	Miles.	Miles.	in. 0.00	0.0
					<u></u>			°oo		82	46.9	14.6	41.9	41.0	ESE.	ESE.	0.5	0.0	0.0	131	-170	00.0	0.0
						24.	90	io		84	49.1		40.2	9.68	ESE.	på.	2.0	0.0	0.0	200	-102	00.0	0.0
						25.		10		08 (	42.1	18.1	39.1	38.1	E, & ENE.	ENE. & E.	8.0	0.0	0.0	148	-155	00.0	0.0
				· 00	1					06 0	41.6		38.7	38.3	ENE.	NE.	8.0	0.0	0.0	185	-119	0.03	0.0
					1					95			37.4	₹.98	NE. & NNE.	NE. & S.	6.0	0.0	0.0	184	-120	00.0	0.0
					1					06 0		31	36.5	35.7	SSW. & SSE.	Calm & N.	0.5	0.0	0.0	133	-172	0.51	0.0
30			1 00		-	1	-!		1	7 85	1		39.5	38.6	ESE.	ENE.	:	:	:	Sum 1090	Sum -1029	Sum 0.23	0.0
07	4	70	+	1	0.00	-	-	1 12	13	14	15	116	17	18	19	20	21	2.9	23	54	95	26	22
ELECTI (For explayant symbols, s	RICITY.		egistered inshine, hours.	Sun ab Horize in bou	oove on. rs.		GENE	RAL F	EMA	RKS.		9	The he	ight of n has b	f the cistern een applied t are usually t	of the baro to the reading aken at 9h. A	gs to re	is 159 finduce to	eet aboo sea lo	ve the mere svel.	an level o	f the se	t; no
s. P. thro	ughout		80	8.1		ery fine.		frost.				9° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5°	ye-read onverte f the ph uring th	d into	mean daily reprise records of the years end	ralues by the made during ling 1868 for t	applic the tw	ation o	f corre	octions ded nding 1873 With the c	for the boorrected	a discu	ssion and ding
s. P. gene	erally .	*	0.5	.00		ine gene ht fog ir y cold.	rally.	Cloudle	ss with riable (	l hoar	frost		r the dr nd mir column rom the	y bulb nimum 8). The e mean	thermomete thermomete the mean dai daily value	r is compined ers, forming ly dew point is of the dry	the n temp	rrecter nean d erature vet bu	aily va and o	ulue of te degree of l rmometers	mperatur humidity by Glais	are der	a air uced
s. P. gen	erally .	•	4.1	.8		ery fine.		ht hoar	frost i	n morn			The a ecords i	verage made af	temperature f Greenwich a discussion	of the air is during the 20 of the anemo	that () years	derived ending record	from 5, 1868, 2	a discussion did that of the 16 years	on of the f horizon s ending 1	photograph tal move 875.	aphic
8. P. in P. in P. afterw	n morni	ng:	6.0	· w		enerally reast till	cloudl	ess with	hoar	frost in	n morni		In real lower The th	vding the	he columns 5 an the averag neters in the	and 25 it wite.	ill be l Thame	s are su	n mind uspend	that + in	ndicates "	higher,	and wole
v. P. gen	erally.		0.0	œ	- Q	vereast;						ä.	he surf	adings	the end of or are register London.	ne of the jet	lerk o	t the	Marke	t, under	arket at 1 instructio	Jepttord	and the
a. P. till	afterno ght.	on;	0.0	Ö		vercast.		i.		-		0 -	The rymbols	emplo	of Electricit	y is derived positive; I	from N. nega	Thoms ative;	w. wes	lf-registeri k; m. mo	ing Electioderate; s	ometer.	The;
v. P. gen	erally; s	N. Sand	0.0	i		vercast;	freque	nt snow	till eve	ning;	thin rail		The aggrant The r	regate esults	duration of b	right sunshine eteorological	ne on e	ach da	y. are to	be unders	stood as a	rument, pplying	snow to the
ја. Р.М.			Sum 8.4	Sur						1			The r	eading	of the barom	eter increased	from 0.27 in	30.12 in	h. P.M.	on the 3rd	g of the w	eek to 30 ed to 30	33 in 46 in
	Phases  of the  of the  frequency  in  in  in  in  in  in  in  in  in  i	B.v.o.	Banon   Bano	Banon   Bano	Baroname   Baroname	Mean	Mean	Mean	Mean	Mean	Mean	No.	No. of the late   No. of the	National N	National N	National Parkers   Colon   C	National N	National Parkers   Colon   C	National N	National N	National N	National Parkers   Colon   C	Main

### OFFICIAL COPY.

# WEEKLY RETURN

OF

# BIRTHS AND DEATHS IN LONDON

AND I

### TWENTY-SEVEN OTHER GREAT TOWNS.

# By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 50. 1889. Vol. L.]

WEEK ENDING SATURDAY, DECEMBER 14.

[Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, 16th December, 1889.

### TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in Twenty-eight Great Towns of England and Wales corresponded to an annual rate of 23·1 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	Weeks end	ing			Weeks	ending
Towns.	Nov. Nov. De 30. 7		Towns.	Nov 23.	Nov. 30.	Dec. Dec. 7. 14.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* -	16·3   15·8   14 18·0   18·0   18 21·5   17·2   25 20·9   24·6   19 23·8   20·0   24 8·6   15·0   16 18·2   16·6   19 10·6   19·0   25	·2   23·9 ·9   19·2 ·0   32·3 ·1   30·0 ·2   27·1 ·7   18·0 ·8   20·5 ·5   24·5	London - Manchester Newcastle-on-Tyne Norwich - Nottingham Oldham - Plymouth -	18 · 5 16 · 5 24 · 7 3* 26 · 9 17 · 1 16 · 9 15 · 4 30 · 7	3 22·1 17·4 27·4 21·7 11·6 16·0 19·1 32·0	23·0 25·4 20·2 21·2 27·3 31·1 22·4 28·2 23·2 17·1 17·3 20·4 19·1 31·9 36·7 34·7
Derby Halifax Huddersfield Hull Leeds Leicester*	12·7   19·1   30·2 21·9   23·2   24·2 20·2   14·1   29·2 20·1   25·1   26·2 22·6   22·5   25·1 16·6   14·6   18·	5 30·2 8 25·3 8 23·8 4 27·0	Portsmouth Preston	23·0 18·0 18·2 26·0	13·7 19·0 17·8 20·4 30·3 23·4	19·2   25·9 26·5   26·0 21·6   22·0 21·2   23·1 21·8   28·8 28·4   20·2

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·1 in Derby, 1·3 in Nottingham and in Bradford, and 2·3 in Sunderland; from scarlet fever, 1·2 in Liverpool, 1·3 in Wolverhampton, 1·4 in Bolton, and 6·0 in Plymouth; from whooping-cough, 1·5 in Portsmouth, 1·8 in Bolton and in Hull, 1·9 in Wolverhampton, and 2·3 in Bristol; and from "fever," 1·0 in Birkenhead. The 59 deaths from diphtheria in the twenty-eight towns included 35 in London, 5 in Salford, 3 in Plymouth, 2 in Liverpool, and 2 in Oldham. Small-pox caused no death in any of the twenty-eight great towns.

### LONDON.

In London 2535 berths and 1768 deaths were registered. Allowing for increase of population, the births were 197, and the deaths 65, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 16.5, 17.4, and 20.2 in the three preceding weeks, further rose last week to 21.2. During the first eleven weeks of the current quarter the death-rate averaged 17.2 per 1000, and was 2.9 below the mean rate in the corresponding periods of the ten years 1879–88.

60198.-11. 610.-12/89. Wt. 14.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford and Bradford are under-otated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

The 1768 deaths included 30 from measles, 12 from scarlet fever, 35 from diphtheria, 49 from whooping-cough, 15 from enteric fever, 14 from diarrhea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or cholera; thus, 155 deaths were referred to these diseases, being 83 below the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 12; only one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and one in the Highgate Small-pox Hospital. The death of an infant, aged 5 months, in Camberwell, was attributed to chicken-The fatal cases of measles, which had been 33, 18, and 41 in the three preceding weeks, declined again last week to 30, and were 40 below the corrected average; 18 occurred in East London, of which 3 belonged to Bethnal Green, 4 to Stepney, and 7 to Mile End Old Town sanitary areas. The deaths from scarlet fever, which had been 17, 19, and 24 in the three previous weeks, declined last week to 12, and were 33 below the corrected average; 2 belonged to Fulham, 2 to Hackney, and 2 to Greenwich sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1667 scarlet fever patients on Saturday last, against numbers increasing in the twenty-four preceding weeks from 559 to 1663; 144 cases were admitted to these hospitals during the week, against 132 and 154 in the two preceding weeks. The deaths from diphtheria, which had been 30, 33, and 47 in the three previous weeks, declined again last week to 35, but exceeded the corrected average by 13; 2 belonged to Kensington, 3 to Hammersmith, 2 to Hampstead, 4 (including 2 hospital cases admitted from Castle Road, Kentish Town) to Pancras, 7 to Hackney, 2 to Clerkenwell, 2 to Newington, 2 to Lambeth, and 3 to Camberwell sanitary areas. The 49 fatal cases of whooping-cough showed a further slight increase upon recent weekly numbers, but were 5 below the corrected average; 3 belonged to Paddington, 3 to Hammersmith, 3 to Pancras, 4 to Islington, 3 to Stepney, 4 to Newington, 4 to Lambeth, and 3 to Camberwell sanitary areas. The deaths attributed to diarrhea and dysentery, which had been 12 in each of the two preceding weeks, rose last week to 14, and exceeded the corrected average by 2; 12 were of children under the age of five years, including 9 of infants aged under

The deaths referred to enteric fever, which had been 22, 15, and 8 in the three preceding weeks, rose again last week to 15, but were 5 below the corrected average; 3 belonged to Chelsea and 2 to Camberwell sanitary areas. Metropolitan Asylum Hospitals contained 121 cases of enteric fever and 10 of typhus on Saturday last; 16 cases of enteric fever were admitted during the week,

against 7, 8, and 11 in the three preceding weeks.

The deaths referred to diseases of the respiratory organs, which had increased in the seven preceding weeks from 281 to 432, further rose last week to 552, and

exceeded the corrected average by 31.

Different forms of violence caused 55 deaths, concerning all but 2 of which inquests were held. Of these 55 deaths, one was a case of suicide, while the remaining 54 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 9 by burns or scalds, 2 by poison, 2 by drowning, and 16 (including 15 of infants aged under one year) by suffocation.

# GREATER LONDON.

In Greater London 3280 births and 2245 deaths were registered, corresponding to annual rates of 30.3 and 20.8 per 1000 of the estimated population. In the Outer Ring 14 deaths from whooping-cough, 13 from measles, 6 from "fever," 5 from scarlet fever, and 5 from diphtheria, were registered. Whooping-cough caused 6 deaths in West Ham, and measles 3 in Croydon and in Walthamstow sub-districts. Two fatal cases of diphtheria occurred in Tottenham, 2 of scarlet fever in Enfield, and 2 of "fever" in Stratford sub-districts.

Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during November will be found on pages 515-16.

### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29 · 70 ins.; the lowest reading was 29 · 11 ins. on Tuesday evening, and the highest 30 · 18 ins. at the end of the week. The mean temperature of the air was 38.1, and 4.2 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Monday and Tuesday, but was below the average on each of the other days of the week. The general direction of the wind was S.W., and the horizontal movement of the air averaged 11.5 miles per hour, which was 1.3 miles below the average in the corresponding weeks of 16 years. Rain fell on three days of the week, to the aggregate amount of 0.23 of an inch. The duration of registered bright sunshine in the week was 4.4 hours, against 7.5 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the London Water Companies who have furnished him with the average daily quantity of Water supplied during the month of November 1889; according to their returns 164,599,821 gallons or 747,852 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 217 gallons (98.6 decalitres), being rather less than a ton by weight, to each house, and, assuming 7.8 persons to each house, 27.9 gallons (12.7 decalitres) to each person, against 27.2 gallons in November 1888.

COMPANIES.		Houses, &c.		upply of Water
COMPANIES.	NOVEMBER.	NOVEMBER.	NOVEMBER.	NOVEMBER.
	1888.	1889.	1888.	1889.
TOTAL SUPPLY	745,662	757,705	157,969,825	164,599,821
From Thames	359,251	365,150	78,048,405	83,644,525
	386,411	392,555	79,921,420	80,955,296
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	34.735	35,149	8,940,197	9,193,283
	70,969	72,430	14,652,588	14,994,047
	110,326	111,687	21,790,108	23,825,321
	55,008	55,802	16,045,112	17,257,274
	88,213	90,082	16,620,400	18,374,600
LEA AND OTHER SOURCES.  New River East London	151,674	153,050	29,635,000	30,078,000
	163,368	166,491	39,113,465	39,408,017
	71,369	73,014	11,172,955	11,469,279

Note.—The Return for November 1889, as compared with that for the corresponding month of 1888, shows an increase of 12,043 houses, and of 6,629,996 gallons of water supplied daily.

# Analysis of Metropolitan Water Supply during December.

Water-analysis Laboratory, The Yews, Reigate, 9th December, 1889.

SIR, I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of November.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.8, New River 0.9, Tottenham 1.2, Colne Valley 1.4, Lambeth 2.7, Grand Junction 2.8, Southwark 3.2, West Middlesex 3.3, East London 3.5, and Chelsea 4.0.

The water drawn from the Thames by the Lambeth, Grand Junction, and Southwark Companies was of better quality than that delivered last month, whilst the supply sent out by the Chelsea and West Middlesex Companies was inferior. All the waters were efficiently filtered before

The water obtained chiefly from the River Lea by the New River Company was of high organic purity, whilst that drawn from the some source, but lower down the stream, by the East London Company was of about the quality of the inferior Thames waters. Both waters were efficiently filtered.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a high degree of organic purity, the Kent supply being again especially distinguished in this respect. All these waters were clear and bright, that of the

Colne Valley Company was softened before delivery, and was thus rendered suitable for

washing.

Seen through a stratum two feet deep, the waters presented the following appearances:—Kent, Colne Valley, and Tottenham, clear and colourless; New River, clear and nearly colourless; West Middlesex, Southwark, Grand Junction, and Lambeth, clear and very pale yellow; Chelsea, clear and pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied

to that city was "very slightly turbid and greenish yellow in a two-foot tube."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter. The organic carbon and nitrogen remain unusually low."

The Registrar General, &c. &c.

I am, &c. E. Frankland.

# RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

		TS OF ANALISIS EXPRESS			119 1.1	916 10	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.			
ОВ	COMPANIES LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES. Chelsea	November 25th. Cab Rank, Horse Guards, Whitehall.	9.6	30.60	•190	*047	0	*241	•288	1.9	20.3
ı	West Middlesex -	{ November 25th. } {Cab Rank, Portland-road.}	10.2	84.46	163	.030	0	• 264	•294	1.9	22.1
	Southwark	November 25th. Cab Rank, Bricklayers Arms, Old Kent-road.	9.7	32.20	•160	•027	0	•242	*269	1.8	22.1
Inner Circle.	Grand Junction -	November 25th.  Cab Rank, Uxbridge-road, near Marble Arch.	9.2	32*26	•141	*026	0	•272	*298	1.8	22.1
Inner	Lambeth	November 25th.  Cab Rank, St. George's- road, Southwark.	9.6	32.66	•131	•029	0	*265	*294	1.9	22.7
	LEA. New River	November 25th. Cab Rank, Tottenham Court-road.	9.5	132.86	*045	.010	0	*334	1.344	1.7	23.6
1	East London -	November 25th. Fire Brigade Station, Commercial-road, E.	9.4	37.74	.173	*035	0	*808	*343	2.0	26.0
e e	Kent	November 25th. Mill Lane, Deptford.	12.5	43.06	.038	.008	0	•504	•512	2.2	30.3
Circle	Colne Valley	November 27th. Bushey.	_	18.38	.068	.017	.018	*425	*457	2.1	6.9
Outer	Tottenham	November 25th, Tottenham.	_	49.70	.058	011	*056	*603	•660	3.2	26.6
C	orporation of Birming- ham*	November 4th. 4, Severn Street.	9.4	31.96	167	• 024	•001	*341	.*865	1.9	13.9
C	orporation of Glasgow†-	November 15th. Loch Katrine Water.	8.1	2.80	107	.021	0	.003	.024	0.8	1.19
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
 Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to be read thus:—the Chelsea Company's water, collected on the 25th November at the Horse Guards cab-rank, had a temperature of 9°.6 C.; 100,000 lbs. of it contained 30.60 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained .190 lb. of carbon and .047 lb. of nitrogen. The above quantity of water also contained no ammonia, and .241 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was .288 lb. The above weight of water also contained 1.9 lbs. of chlorine; and 20.3 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same

operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

T	_			1	1	_	_	_	_	-	-		-	-	-				-						_		_	_				_		01
		CITIES AND BOROUGHS.		Cols.	- 28 TOWES.	LOKDOK	BRIGHTON.	PORTSMOUTH.	NORWICH.	PLYMOUTH.	WOLVERHAMPION	Promingation	LETCESTED	NOTTINGHAM	DERRY.	BIRKENHEAD.	LIVERPOOL	ROLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURK.	PRESTON.	HALIPAX.	Reanson	LEEDS	SHEPPIRED.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.		KDINBURGH.	DUBLIN.
	RAINFALL.	-itne	) al	24.	1.03	0.58	1.57	•		1.94	16.0			0.74		8	09.1						8		04.0	0 -	,	1.17	2	0.84	1	-	69.0	06.0
_	RAIN	ppes.	oal al	23.	0.40	0.53	0.20		1 (	0.49	98.0		1	6.60		,	89.0				2		1		0.81			0.46	,	0.33	8	-1-	0.68	
E AIR.		Mean.	Centig	22.	3.55	3.39	4.33	4	1	3.79	2.17	-	1	2.44		,	4.78	,	2	1	1	ı	1 1		3.80	_	1	2.17	-	00.	1	-	3.56	
OF TH	1	a  -tieds	k'ahrer	21.	37.8	38.1	89.8	1	1	38.7	35.9	•	1	36.4	1	1	9.07	,		,	1	1	8	ì	0.68	-	1	35.9		35.6			4.88	
TEMPERATURE OF THE AIR.	=	Lowest.	nheit.	20.	23.5	24.3	27.2		1	26.5			1	23.5	1	,	30.5	1			1	3	8 1		99.4			27.0 3		29.0	i	-	_	
TEMPE		teedgiH	Fahrenheit	19.	1.4	4.6	<b>5.8</b>			50.5		•	1	50.8 2	,		51.3 3						8 1		51.4 96		- 1	51.0 27		50.0 29				9 26.1
Company	_	ses in set 6-12,   21-9	Pro Disea Cols.	18.	2.1	1.0	1.3	7	0.3		3.5	1.4	0.3	2.5	9.1	3.1	_	0.9	1.4	5.0	- 1	0.6	9.0	8.1	2.5		6.1	2.8 51	2.7	2.3 50	6.0		1 52.5	
Annual Rate per 1000.	corresponding to the	.898t	(Sa)	17.	23.1	21.5		17.1			2.03	19.5		20.4			_	30.08	31.1	_							_		_	_	0		7 4.1	
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	1	esths in Public Situtions	gul	16.	731 1	122 1	<b>ي</b>	0 43	10	18	63	25	10	10	-	00	_	10 03	77	20 1		01	4 20	9 1 0	10 3			8	5	80	1 2	1-	3 5	
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lde		·əəue	loiV	13.	121	-	21	1 1	1	4	-	9	67	93	1	c <sub>3</sub>	90	63	4 1	0.3	- CC	-		-	- 9			23	7.0	23	10	-	. 0	10
The DEATHS registered in the Week include		rpœs.	Diar	12.	37	14		1 1	-	ı	1	99	1	67		1		_	===		1		1 1	-		-	-					-	7 2	13
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gister	Deaths from	.sirodti	Dipl	6	59	55	1 -		00	Н	1	1	1	ı	1	-	©1	7	-	20	21	1 -	- 1	1	1	-	-	1			1			1
ATH8 re	A	let. ver.	Sear	00 1	63	12	H 1	1	6	67	01	37	1		1	-	14		21	23	1 -	٠,	1	Ł	67	1	30		21	1		-	4 93	
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	Deat	ts under ear of Age.	II	4.	912	375	1 00	1	10	26	9	39	15	31	12	11	47	9	49	18	17.	CT LL	15	7	23	37	35	25	10	13	18	06	50	36
during	1889.		PATHS.	3.	4235	1768	42	31	52	06	63	167	99	93	10	47	205	99	226	6 6	75	5.5	45	47	122	185	145	92	74	28	53	118	270	218
Registered during	the Week ending 14th Dec., 1889.		DIKTES, DEATHS	.:	5646	2535	03	29	52	125	#3 03	569	92	124	48 5	62	342	1.0	250	132	74	72	98	46	110	221	235	117	00 5	911	- 08	144	341	178
22		to the middle of the Year 1889.	9	i	9,555,406	4,851,738	121,807	94,510	78,225	229,361	82,544	454,835	150,520	237,812	98,529	102,541	596,909	114,070	878,800	264,283	121.275	104,194	92,825	81,080	235,056	357,449	327,227	208,017	104,193	119719	2176717	266,900		353,082
	CITIES	AND BORUUGHS.		Cols.	28 TOWNS.	LONDON	BRIGHTON	NORWICH	PLYMOUTH	BRISTOL	WOLVERHAMPTON	BIRMINGHAM .	LEICESTER .	Notingham .	UERBY .	BIRKENHEAD .	LIVERFOOL .	THE PARTY OF THE P	MANCHESTER .	OLDHAM .	BLACKBURN	PRESTON	HUDDERSPIELD .	HALIFAX	BRADFORD .	LEKDS .	HILL .	1 20. 4	NEWCASTLE.	CARDIER*		EDINBURGH	GLASGOW .	OBLIN .
_	001	198. –1	1	-		H	2 2	42	P	2	>	B	7 5	4 ;	9 4	1 2	7 2	4	Z	0	BI	Pr	Ħ	H	Bi	7 2	H	7	Z	CA		ED	GE	7

TABLE 2. LONDON .- Births and Deaths Registered in the FIFTHETH Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1889	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females .	2476	2480	2480	2569	2540	2614	2671	2415	2516	£291	2731 · 8	2535
	1270	1268	1283	1320	1257	1319	1390	1298	1293	1139	1393 · 3	1323
	1206	1212	1197	1249	1283	1295	1281	1177	1223	1152	1338 · 5	1212
Total Deaths Males Females .	2132	1377	1636	1996	1722	1638	1725	1499	1625	1455	1832·5	1768
	1060	709	819	982	833	786	868	763	807	733	911·6	901
	1072	668	817	1014	889	852	857	736	818	722	920·9	867

The numbers in this column are the average weekly numbers in the fiftieth weeks of the ten years 1879-raised by 9°046 per cent. for increase of population.

LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE	E 3. LONDON.—	DIKIR	, DE	alno,	auu 1	ALES I AS	OROLO	GI II	the	AJUS C	T 11110	121121		
		Sept.		Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.	Nov.	Nov. 9.	Nov. 16.	Nov. 28.	Nov. 30.	Dec.	Dec. 14.
TOTAL	Births	2344	2504	2364	2595	2518	2580	2623	2658	2522	2517	2321	2270	2535
TOTAL	Deaths	1267	1361	1381	1321	1410	1310	1317	1350	1451	1375	1448	1683	1768
Ages at Death	0-20 years - 20-40 " - 40-60 " - 60-80 " - at 80 years & upwds	599 157 248 216 47	644 186 244 245 42	630 201 230 261 59	581 187 227 263 63	590 209 <b>274</b> 272 65	562 163 250 283 52	599 200 209 253 56	606 181 245 265 53	667 188 254 265 77	660 176 259 222 55	647 184 266 292 59	713 196 294 392 88	719 227 312 418 92
99	Under 1 year - 1-5 - 5-20	332 182 85	386 165 93	376 172 82	321 175 85	320 187 83	276 200 86	323 212 64	310 209 87	348 235 89	335 233 93	333 227 87	353 265 95	375 247 97
Deaths fi	Measles Scarlet fever - Diphtheria - Whooping-cough Typhus - Enteric fever - SimpleContafeve Diarrhœa and Dysentery - Cholera all the above-mentioned Diseases	73 1	7 22 44 23 2 19 1 80	9 20 45 14 - 19 2 52 1	13 15 35 14 1 16 - 28 -	23 25 41 26 1 11 2 22 22	17 27 37 22 1 21 1 15 -	22 50 31 21 19 - 17 - 130	1 20 23 23 24 - 11 - 17 1 120	33 24 38 37 1 20 - 16 -	33 17 30 31 - 22 2 17 -	18 19 33 44 - 15 1 12 -	41 24 47 47 47 - 8 2 12 -	30 12 35 49 - 15 - 14 -
Violent	, Dis. of Respira- tory System , Phthisis - , Dis. of Circula- tory System Deaths		189 146 112 62 119 336	225 148 123 62 119 335	264 129 127 50 99 314	300 184 115 57 112 332	281 141 115 49 101 319	300 125 104 59 123 309	318 141 122 51 97 313	321 154 121 65 122 363	328 169 113 57 114 314	345 183 126 53 113 336	432 161 165 56 128 358	552 182 163 55 124 422
TEMPER Mean Mean Mean	of Highest readings of Lowest readings -	51·1 62·2 41·6		48·9 56·7 43·8	49·8 58·4 42·6	49·4 57·8 41·6	46.7 53.7 41.5	0 47·3 54·0 41·4	47·3 53·3 40·8	46.8 52.7 41.0	0 41·9 48·2 41·3	37·6 43·4 32·0 84	32·1 35·8 27·8	38·1 42·5 31·9
Rain-fal	l in inches - red Sunshine (in hours	0.25		0.90	0·57 31·1	0.70	1·07 8·1	0·78 23·1	3.9	0.01	0.0	0·32 5·9	0·23 8·4	0.23

# METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.B.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., Lt.D., Plymouth: R. C. Cann Lippineett, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartuup, Esq., F.R.A.S., Liverpool: H.O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the

		_				Fi	FTIE	TH	We	ek	of the Year 1889.			2040	O A	.031	13 1	п и	16	
	or the years	4	Sati	In turday	he V	Week th D	ecem	ing ber	1889.			the	1	Satu	In t	be V	Veek	endi	ng	
		1		Dea			rson	s of				for the	-		Deat					59.
	Averages sks of the 10 1879-88.	1 -	1		-	e Ag	-1	-1	31	-		Averages iks of the 10 1879-88.*	1 -		1,	the	Age	8	,	,
CAUSES OF DEATH	AV6 1879-	1	Н	Un 20			ler 40	ler 60	er 80		CAUSES OF DEATH.	A ver 18 of	1		Und 20	ler	r 40.	r 60.	r 80.	and.
	Wed	AGES						under	under	arda		Vee	AGES		-1-	1	under	under	under	rds.
	Corre 50th	ALL	-	0-1.	1-0.	5-20.	20 and	to and	60 and	upwards.		Corrected 50th Wee	ALL A		1-5.	5-20.	and	and	and	V Years
	10	1	1	0 1 -	-	0	64 1	- 1	09   5	-		100	4	0	1-	1 2	8	13	18	3
ALL CAUSES	1832 5	176	8 3	75 2	47	97 2	27 3	12	418 9	2	Diseases of Organs of Special Sense † -	2.6	2	.			1	.   _	1	-
Small- Vaccinated! -			П	-	-	-	-	-	-	-			1	- -	-;-	-	-	-	-	
No Statement				-	-	-		-	-	-	Diseases of Circulatory System	126.4	168	1	2 2	7	19	48	78	9
Measles	70.4	30		3 2	-	4	=	-	-	-	Chang	30.0	100							
Searlet Fever	1.0	12	Ш	2	9	1	- j		-	-	Bronchitis	16·8 334·2	356 356	70	. 51	3 2 7	8	63	137	25
Relapsing Fever +	0.0	-	Ι.			-	Ī1.				Pneumonia Pleurisy	115°4 7°2	123 5	37	30	1 -	10	22	14	3 -
Influenza	0.0	1		1 -		-	-   -	-	-	- /	Other Diseases of Respi- ratory System}	46.9	55	12	6	5	2	9	15	6
Whooping-cough Diphtheria	53.8	49	1	9 27 22 22	-	3	-   -	-	-	-	Dentition †	17.17	10	-	1	-	-			
Simple Continued and )	1.7	-	Ш						-   -		Quinsy, Sore Throat † - Enteritis	1:7	3	6	2	-	1	-	-	
Ill-defined Fever -}	20.1	15		. 1		3			-		Peritonitis Diseases of Liver	6.2	8	2	1	1 2	3	1 7	1	
Cholera	0.1	-	-				8 -			Н	Other Diseases of Digestive System -}	30.4	17 23	8	-	2	2	5	3 5	1
Diarrhœa, Dysentery -	12.1	14	9	3		-   .	-   -	-	1 1		Digostive System , - )									
Remittent Fever† Hydrophobia	0.0		1	-		П	-	1	-   -	Ш	Diseases of Lymphatic)	2.4	5		1					
Glanders	0.1		1 -							и	System & of Ductless Glands †	2.4	0	-	8	-	-	2		
Cowpox and Effects of Vaccination † }	0.0		١.							н	Diseases of Urinary)				-	-		-		-1
Venereal Affections -	10.1	12	10				ı.		1 -	н	Diseases of Urinary System	44.8	38	-	1	-	6	15	14	2
Erysipelas	8.6	9	3	-	-	. 4			- 1	11									-	-1
Pysmia and Septicsmia † Puerperal Fever – –	2·4 7·1	9	1	-	-			ŀ		П	Diseases of Generative	6.2	4	-	-	-	-	4	-	- 1
Other Zymotic Diseases †	1.7	4	2	1		9				Н	Accidents of Childbirth -	4.0	3	<u> </u>		-	2	1	_	-1
	1		1					1		-11	Diseases of Locomotive	8*5	6	1		2	2	1		-1
Thrush - Worms and other Para-	1.7	1	1	-	-	-	-	-	-	Н	System + }			-		_	_	_		
sitical Diseases}	0.4	-		-						Ш	Diseases of Integumen-	6.3	4	4	_	-	_	-	_	М
Starvation, Want of	1.5	1	1							H					-		_		_	4
Breast-milk †}	4.0	10	-	-	-	1		-		И	VIOLENT DEATHS.§						Į		1	ш
	-		-	-	-	8	5	2		Н	(ACCIDENT.)						}			-
Rheumatic Fever. Rheumatism of Heart?	10.5	10	-	-	4	4	-	2	-		Fracture and Contusion	18.8	24	1	-	3	6	4	10	-
Rheumatism †	4.1	4	-	-		1	-	3			Gunshot Wound Cut, Stab Burn and Scald	0.3		-	-	-	-	-	-	-
Geut Rickets†	2.8	1	-	-	-	-	1	-	-		Poison	1.7	9 2 2	1	3	3	-	2	-	-
Cancer -	2.6	70	2	2	-	-	94	-	-		Suffocation Otherwise	3.8 14.4 2.5	16	15	-	-	1	1	1	-
Tabes Mesenteries -	21.6	20	9	7	1 3	7	34	28		-	OSEST WING	2.5	1		-	-	1	-		-
Tubercular Meningitis -	26'8	19	5	10	3	1	-	E	-		(HOMICIDE.)					1				1
Scrofula, Tuberculosis -	176.8	182	7	3 5	15	98	53	13	-		Murder & Manslaughter	1.2	-	-	-	-	-	-	-	-
Other Constitutional)	9.6	20	1	2	8	1	1	1		1				-		-  -				-
Discases †}			_		2	-	3	7	1		Gunshot Wound	0.9	1							
Premature Birth	38.1	29	29	-	-	-	_ }	-	-	ı	Cut, Stab Poison	1.8	=	-	-	-	-	-	-	-
Atelectasis +	2.6	4	4	-	-	-	-	-	-		Drowning	1.6 1.4 1.2 1.5	=		-	-	-	-	- 1	-
Congenital Malforma-}	6.9	8	7	1	-	-	-	-	-		Otherwise	0.4	-	-	-	-	-	-	-	-
Old Age	60.6	53	-	-	-	-	-	24	29			-		-	-	-  -			-	-
Apoplexy	50°8	49	1	-	-	2	12	29	5		(EXECUTION.) Hanging	012								
Epilepsy	7.0	3	-	-	2	1	-	-	-	-	manging	0.3		-				-		
Other Discours & C.	43.6	87	32	5	-	-	-	-	F	1	OTHER CAUSES †	59.8	54	50						
January Bus Bystem	92.9	83	14	13	2	8	- 1	25	8	L					2			1 1	1	Ш
The numbers in this col	umn are	the av	erag	ge we	ekly	Des	aths f	or t	he ter	76	ears 1879-88, raised by 9°046	ner cent	fon in		6	-	1		,	1

e-38, raised by 9°046 per cent. for increase of population.
won years 1382-3 has been used.
d." which are so certified by registered medical men. When
ed, or when the cause of death is not certified by a registered. proner to certify whether a violent death be the result of accident, murder, at or negligenee."

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarler during the Week ending

													duri	ng t	he V	Veek	end	ing
PT 1			1				The	DEA	THS	ogist	ered i	n the	Wee	kine	lude			
	Enume-			Deat	hs of					Deat	bs fro	m .						
REGISTRATION	rated Popu-	81	HF.	1	iged 60 upwds.			2		-eough		(or Fever.	1		1		Publie	Causes
SUB-DISTRICTS.	lation,	BILTHS	DEATER	under of Age.		OX.		Fove	ria.	ng-e		d) F	COU-	į		Cases	12.3	Bed C
	1881.	Total 1	Total 1	Infants Year	Persons Years	Small-pox	Measles.	Searlet Fever.	Diphtheria	Whooping	Typhus.	Enterie (o	Simple e	Diarrhoa	Violence	Inquest	Deaths	ncertified of Death.
		H	-	In	Pe	Sn	K	80	Ö	*	F	NA.	Sir	ia	N N	1	Do	Un
LONDON · · ·	3,815,704	2535	1768	375	510	-	30	12	35	49	-	15	-	14	55	124	422	18
WEST DISTRICTS	669,688	895 565	825 893	56 89	105	-	2 5	3	7	10	-	6	-	5	7	20 82	95 90	1
CENTRAL DISTRICTS	282,288	154	129	28	37	-	1		2	2	-	1	-	8	9	19	42	
EAST DISTRICTS - SOUTH DISTRICTS	692,788 1,265,148	509 913	855 566	70 187	83 184	_	18 4	1 4	9.	11	,-	2 3	-	2	9	26 27	100 95	16
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION	-		-	-	-	-	-	- 1	-	-	-	-	-	-	-		_	-
WEST DISTRICTS.	1 .								_									1
St. Mary Paddington WHH G.J. a.W.M. St. John Paddington H - G.J.	87880	56 10	39 13	8 -	13	-	-	-	-	1 -	-	1 -	-	1 -	- 2	1	7	-
Rensington Town Ww W.M. Brompton H W.M. & C	120141	18	10	9 2	26 3	-	-	-	1	-	-	-	-		-	6	17	-
St. Peter Hammersmith W.M. & G.J. St. Paul Hammersmith H W.M. & G.J. Fulham Www - W.M. & C.	7599 64840 42900	5 51 56	37 36	8 10	6 7	-	-	1 2	2 2	3	-	1	-	8		4	3 14	
Chelses South HHH . C. Chelses North-west WHHHHH. C.	30896 24925 32807	22 . 16	14 20 12	2 3 4	2 7 4	-	2	-	2 -	1	-	2	=		1 1	1 -	3 15	-
May Fels WW G.J.	80353 . 59220	24 12 28	15 20	-	8 4	-	-	-	-	-	-	1 -	-	1	2	8	8 8	ī
Belgrave WHHH C. St. John Westminster HHH - C. St. Margaret Westminster H - C.	35496 24679	17	16 11	5 1	5	-1	= ,	-		2	=	=	-		3	3	5	-
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	29941 16608	14	12	1	10	-		-	=	-	-	-	-	-	-	-	6	-
NORTH DISTRICTS.  All Souls Marylebone HHHHH W.M.	267.59	17	11	1 3	1	-	1	-	1	-	-	_	_	-	-		6	-
Cavendish Square HHHH W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christehurch Marylebone HH - W.M.	14891 24809 21118	6 12 24	5 7	1	3		-	=	-	-	-	-	=	-	-	-	3	-
St. John Marviebone 22 - " " "	88700 33638	29 11	14 8	7 5	2 -	-	-	=	-	Ī.	Ξ	=	-	1		8	-	-8
Hampstead Www H N.R. & W.M. Regent's Park Paneras H W.M.	45452 89115	81 20	23	2 2	8	-	-	-	6	-	-	-	-	-	1	1	9	
Tottenham-court wHHHH N.R.&W.M. Gray's Ina Lane HHH N.R.	27729 80247	11 17	20 12	3 5	3 3	-	-	ī	-	-	=	-	-	ĩ	8 2 1	7	7 3	-
Somers Town $H$ N.R. Camden Town $WH$   N.R. Kentish Town $W$ N.R.	84369 17811 87487	15 16 64	19 7 88	6 2 11	8	-	1	=	-	8	-	-	-	-	1	1 3	3 6	
Upper Holloway WWwH N.R. Islington South-west HH N.R.	67946 100976	50 50	82 84	5 9	18 10	-	-	ī	-	1	=	1	-	1.1	1	ī	27	-
Highbury H N.K.	61895 52048	31 27 15	16 13	3 2	972	-	2	-	-	2	-	-	-	-	1	4 -	2	-
Stamford Hill E.L. West Hackney H N.R.	92781 9277 87610	10 28	19	1 2	5	-	-	1 -	1 - 2	ī	=	-	-	-			- 2	1 -1
Hackney WwwwH E.L. & N.R. South Hackney E.L.	76911 39883	60 21	13	14	10	-	1 -	1	5	ī	-,	1 -	-	-	1	2	20	-1
St. George Bloomsbury N.R. St. Giles South WH N.R.	16681	7	1	-	1		-	-	-		_			_	_		_	-
St. Giles North N.K.	14864	15 4 3	12 2	2	6 1 2	-	-		=	ī	-	=	-	-	-	1 -	7	-
St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	17508 7515 8559	1 7	11 3 9	8	2		-	-	-	-	=	- 7	-	1	3 -	4	3 ~ 6	-
Strand Union Workhouse, Edmonton w.  St. Geothe-Martyr HHHHHHH N.R.	18671	11	2 11	2	1	1	-	-	-	-	-	-	-		-	1	2 7	-
St. Andrew Eastern W - N.R. Saffron Hill H N.R. St. James Clerkenwell - N.R.	10706 6583 17516	3 8 12	5 5 6	1 1 8	2 1	-	-	=	-	-	-	=	-	-	1	ŝ	2 -	-
Pentonville N.R.	19281 14773	9	6 2	8 ~	-	-	=	=	=	-	-	-	-		-	1		111
Old-street H N.R. City-road HHL N.R.	17506 11541 18628	8 7 88	7 5 11	-	1 4	=	111	7 -	1 -	ī	-	-	-	-		-	-	3
Whiteeross-street N.R. Finsbury - N.R. Holborn Union Workhouse, Mitcham, w.	9217 7468	8	1	8 2 -	1	-	-	-	-	=	-	=	-	-	29 - 1	2 -	8	1.4.3
St. Botolph H N.R.&E.1	11174	6 2	8 2	1	1 4	-	-	-	-	-	-	-	-	1	1	2	1	1000
Cripplegate - N.R. St. Sepulchre H N.R. St. Bride W N.R. Allhallows Barking - N.B.	5358 8896	-	10	2 -	2 2	-	i	-	-		-	-	1.1.1	1111	2	2	9	100
Broad Street H N.R.	13666 5652	1	8 -	-	1 -	-	-	-	-	-	-	=	-	-	-	ī	-	-(

Note —The Italis letters piaced against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; w—A Workhouse Establishment receiving immates from other Districts than that in which it stance, see note at the toot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies and K., the Kent Company; W.M. West Middlegex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L., East London,

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

Saturday, the 14th December, 188	9.		1															
					ha -		The	DEA					Week	k incl	ude			
REGISTRATION	Enume- rated			Dear	hs of					Death	s fron						lie	103
NUB-DISTRICTS.	Popu-	BIRTHS.	DEATHS	s under of Age.	aged 60 & upwds.			er.		Whooping-cough		Enteris (or Typhoid) Fever.	con-d Fever.			885.	Public	Causes
	1881.			r of A	ne a	Small-pox.	les.	Scarlet Fever.	Diphtheria.	ping-	18,	16 (0 10id)	ed Fe	n oea.	nce.	Inquest Cases	Deaths in Pu	Uncertified of Pentin.
		Total	Total	Intants Year o	Persons Years &	Smal	Measles.	Scarle	Dipht	Whoo	Typhus.	Inter Typi	Simple co	Diarragea.	Violence	ndne	Jeach	Jacer of to
		-		-			-	-	-			_				-	-	
EAST DISTRICTS.  N.R. & E.L. St. Leonard Shoreditch HL* - N.R. HOSTON New Town w N.R. HOSTON Old Town N.R. Haggerston WH N.R. & E.L.	7876 14967	2 8	4 8	-	1	-	-1	-	-	-	+ -		-	-	-	2	-	
Hoxton New Town w N.R. Hoxton Old Town N.R.	29937 28036	17 17	20 11	<b>8</b> 2	6	П	-	-	1.1.1	-	-	1	1 1 1	1	-	1	6 -	
Haggerston $WH N.R. * E.L.$ Bethnal Green North $H E.L.$	4627 <i>5</i> 51157	44	29	10	11	Ī	2		1	1			- 1	-	- 1	1 2	11	-
Bethnal Green South - E.L. Bethnal Green East WHL* - E.L.	34899 <b>4140</b> 5	29 29	16 32	5 5 3	13		1 -	7	-	î -	-	-	-	Ĭ.	1	1	20	
Spitalfields - E.L. & N.R. Mile End New Town W - E.L. Whitechapel Church H E.L. & N.R. Goodman's Fields E.L.	22585 15478	18 17	8	1 2	- 2	-	2 -	-	-	-		-	-	-	-	-	5	-
Mile End New Town W E.L. Whitechapel Church H E.L. & N.R. Goodman's Fields E.L. Aldgate N.R. & E.L.	17490 9713 6102	7 5 8	20 1 1	1 -	3	H	1 1	-	-		-		-	-	3	3	19	
St. George's North E.L.	38747	38	17	4	2		1	L	H	_		1	_	-	_	2	_	
St. John, St. George East W - E.L. Shadwell HH E.L. & N.R.	8410 10895	7	11 5	5	4	-		Ĩ.	-	1	_	-	-		1	1	9	
Shadwell $HH$ E.L. & N.R. Rateliff E.L. Limehouse E.L.	16107 32041	10 20	16	1	2 4	-	4	-	-	1 2	-	-	-		~	ī	-	
Mile End Old Town West - E.L. Mile End Old Town East WwwH- E.L.	37960 67653	35 60	14 47	3 14	3 7		1 6	1	-	2	-	-	-	-	1	3 2	7	1
Bow $L^*$ E.L. Bromley $wwwH$ E.L.	37074 64359	15 55	12 35	4	8 12	-	-	-	·	-	-	-	-	-	ī	1 2	1 15	-
Bromley $wwwH$ E.L. Poplar $WWH$ E.L.	55077	84	11	8	3	-		H	-	1	~	-	-		~	1	1	
SOUTH DISTRICTS. Christchurch Southwark WH L. & S.	18668	13	6	,	1										_	1	1	
St. Saviour Southwark S. Kent-road S. & L.	14999 21381	6 21	2 2	1 1 1				-	-	-	-	-	=		-	ر <u>اً</u> 	-	1
Borough-road WH S. & L. London-road HL L. & S. Trinity Newington - S. & L.	15958 21318 26672	14 14 15	10 10	1 2 3	1 1 3	-		7	-	-	-	-	-	-	ī	2	-	1 10
St. Peter Walworth W - S. & L.  t. Mary Newington - L. & S.	59555 21623	43 16	42 12	10 4	10		1 1 1		1	4	-	1		1 -	ĩ	1	1 -	222
St. Olave WH S. & L.	11956 16800	10 11	8	1	2	-	- 1	-	-	-	-	-	-	-	1	2	7	-
St. Mary Magdalen $W - S$ . St. James Bermondsey - S. Rotherhithe $WH - S$ .	15669 54682	9 31 20	10 14 10	1 4 2	3 5 1	1 1 1			-	-	-	-	-		2	3	5 - 2	- 1
	36024 15195	8	4		2	_		_	-	_	-	-	-	_	-	1	_	-
Waterloo-road lat H L. & S. Waterloo-road 2nd H L. & S. Lambeth Church 1st H - L. & S. Lambeth Church 2nd WW - L. & S.	16351 19876 39859	19 13 86	24 26	1 3 4	5 14	1 1 1	-	-	8	-		-		-	4	4	18 15	
Kennington lst S. & L. Kennington 2nd S. & L.	45282 35882	85 28	20	6 5	6 4	-	ĩ	-	-	1	-	-	-	1 -	ī	ī	-	1 2
Norwood W L.	62887 19017	27 10	19 12	6	7 5			1	1	2	-	-	-	-	-	1	1	
East Battersea WWH- S. Clapham H- S. Wandsworth WHL S	54675 52587 36880	40 44 18	25 25 12	7 8 2	11 9 6	-	-	`- -	ī	1 - 1	-	-	-		1	2	1	1
Putney 8.	28004 13235	23 6	8 8	3	2 2	1 1 1			-	-		-	-	-	1	1	-	
Dulmish	25553 5590	20	9 2	3 -	5 1	-		-	-	1	-	-	_	-	_	-	_	7 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	59104 71089 50810	45 40 44°	45 21 22	6 3 8	22 7 4	H	-	-	- 2	1	-	2 -	-	1	1 -	1	23	1
St. Paul Deptford ww - K. St. Nicholas Deptford - K.	76752	70	35	12	9			3	-	1	-	-	-	-	1	2	2	1
Greenwich East WHH K.	7901 21972 24608	7 16 24	1 10 22	2 4	3		1	-	-	ī	-	-	-	7 7	-	1	11	Ē
Eltham H K.	5048 21559	7	1 6	1	-	Ŀ		-	_	-	-	-	-	-	-	-	-	-
Lewisham WH K. Sydenham H L.	19865 26076	16 22	6 11	1 6	2	-	1	-	1 1 1	-,	-	-	-	=	-	-	1 -	-
Charlton HII K. Woolwich Dockyard K.	10930 17617	6 12	6	- 1	2 6		-	-	- 1	-	-	-	-	-	- 1	1	2 -	ī
Woolwich Arsenal HH - K. Plumstead, West H - K. Plumstead, East W - K.	19045 14009 19241	18 9 81	13 2 20	7 - 5	2 -	-	-	-		1	-	-	111	-			1	- 2
Metropolitan Asylum Hospitals: Dartford w	10211	-	20		5		-		-	1		-			-	-		
Winchmore Hill w	-	-	-	=	-	=	-	-	-	-	-	-	-	-	-	-	-	-
	-	_			,									-	1			-

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the above Table by w?—

Marylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum: in Tottennam Court-road suo-district.
Holborn Infurmary: in Upper Holloway sub-district.
London City Workhouse Hackey sub-district.
Hollorn White End Old Town Eastern sub-dist.
London City Mile End Old Town Eastern sub-dist.
Strand and Holborn Workhouses outside Registration London.
St. Saviour's Infirmary in Camberwell sub-district.
Methods and Hollors Infirmary in Camberwell sub-district.
Methods and Hollors Infirmary in Camberwell sub-district, and in Dartford, Emonton, and St. Paul, Deptford sub-districts, and in Dartford, Emonton, and Set Ham sub-districts outside Registration London.
To the lat of Outsbee, the Registration District of Bethinal Green was re-divided into three instead of four registration sub-districts.

Table 6.—LONDON.—OUTER RING. — Area; Population: Births and Deaths registered during the Week ending Saturday, 14th December, 1889.

			1	Veek	endin	g Sat	urday	, 14t	h Dec	emb	er, 18	89.			; ;		_	, y
Regis-		Area in						1	he Di	ATHS	registe	red in	the W	Zeek ti	nelude			
ration		Acres,	Enume-			Deat	hs of				Deaths	from						68
nd Sub- listrict Num- bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Foreshore.	rated Popu- lation, 1881,	BIRTHS.	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-sough,	Fever.	Diarrhes.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
LON	DON-OUTER RING	370,924	950,957	745	477	99	149	-	13	5	5	14	6	2	10	24	51	6
80:1	Carshalton wL - Epsom (part of)* Wwn	12228 9971	21114 10710	<b>7</b> 5	19	1	7		2	-	-	-	-	1 1	-		8	-
37:1	Godstone (part of) * -	2754	1235	1		***	-		-		-	-	-	-		-	-	I
38:1	Croydon WwFHI - Mitcham w† -	20851 11697	101241 17982	61	51 4	12	21		3 -	1 -	-	2 -	-	1 -	1: -	5 -	8 ~	-
39:1	Wimbledon HHH -	3220	15950	20	5	3	1	-	-	-	-	-		-	-	-	- 1	-
8	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	25	9	-	5 -	-11	1	-	-	-	-	-		-	-	-
4	Hampton H	4573	18539	8	5	2	1		-	-	-	-		I-I	1	1	-	-
40:1	Richmond WH Mortlake	2272 2941	21302 12331	13 10	14 3	2	5 2	-		1	_	1	1		_	_	8 ~	-
41:1	Bromley (pt. of) * HH	15669	31142	21	9	1				_	1	_		-	-	-	-	-
2	Chishrst(pt.of)* WHII	14307	15844	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-
42:1	Bexley H Dartford (Ww, pts. of)*	18437	24134	15	9	1 ~	5	-	-	-		1 -	1 -	-	1 -	2 -	1	-
124:1	Sunbury w Staines W	11055 13277	11685 12089	8 12	2 2	1 -	1 2	-	-	-	-	-	-	-	-	-	-	-
125:1	Hillingdon WHH -	6029	10802	2	3	-	2	-	-	-	-	-	-	-	1	1	1	-
2 3	Uxbridge Hayes wHL	6178 14587	3225 11523	3 4	1 15	1	- 4	-	-	-	-		,-	-	-	-	10	1
126; 1	Isleworth WHH -	7008	22727	16	11	1	6	-		-	-	-	-	1	1	1	3	
2	Twickenham H	2477	12479	6	13	4	-	-		-	-	1	-	-	-	1		1
3 4	Brentford HL Chiswick	4345 1340	27649 15975	15	10	1	3	_	1 -	1	-	_	-	-	1	1	-	4.4
5	Acton wH	6083	22876	9	17	3	10	-	-	-	-	-	-	-	-	-	-	- Par
127:1	Harrow H	13809	12798	10	8	-	2	1	1	-	-	-	-	-	-	-		1
3	Edgware H	6994 4383	3749 27453	87	21	3	4		1	_	-	2	_	-	1	2	-	1
4	Hendon W	8382	10434	9	5	1	2	-	-	-	-	-	-	-	-	-	-	-
137:1	Bushey	9331	6621	3	1	-	1	-	-	-	-	-	-	-	-	-	-	1
128:1	Watford (W, pt. of)* -	15599	6391	7	3		1									-		- Part
128:1	Barnet	5433	10092	-	2		1	-		-	-	-	-	-	-	-	-	- The
3	Finchiey HL	4658	17615	11	8	1	1	-	1	-	-	-	-	-	-	-	1	1
135:1	Hatfield (part of) * -	3306	588	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5
129:1	Hornsey $H$ Tottenham $H$	3039	37078 46456	21 49	12 26	10	6	-	-	-	1 2	-	-	-	1	4	1	die of
3	Edmonton Ww 1 -	7453	23468	21	12	2	5	-	-	-	-	-	-	-	-	2	2	1
4	Entield WH	12653	19104	14	14	6	1	-	-	2		-	-	-	1	1	8	1
5	Waltham Abbey Cheshunt	11017 8480	5368 7735	8	1	2	2	-	-	-	-	-	-		1	1	-	-
186:1		882	38806	82	20	5	2	-	-	-	1	-	2	-	-	-	-	3
2			101053	105	69	17	12	-	-	-	-	6	1	-	1	2	-	3
3	Leyton WwL Walthamstow H -	4872 6520	32430 28869	40	15	9	13	-	1 3	-	-	1 -	-	-	-	1	8 -	1 3
187 : 1	Chigwell (part of) * H	1	9669	8	2	1	1	-	-	-	-	-	-	-	-	-	-	1
189: 1			3411	1	2	1									-	-	-	
	Ilford	8493	7645	7	8	1	1	-	-	1	-	-	-	-	-	-	-	1
1	Barking Town -	4127	9203	5	2	1 -	-		-	-	-	-	1	-	-	-	1 -	1
	The parts of sub-district	ets includ	ed within	n that	portion	of th	e Met	ropolit	an Pol	ice Di	strict	which	forms	the O	nter R	DE APE	as foll	OW:-

<sup>\*</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:—
80: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone subdistrict; 39: 3, Esher sub-district, except the parish of Esher (pop. 1933); 41: 1, Bromley sub-district, except the parisnes of Cadham and
Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135: 1, the parish of Norsnaw in Hattlets
sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875: 189: 1, the parish of Dagonaam in Romford sub-district
also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 187: 1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

<sup>‡</sup> Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

§ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 14th December, 1889.

	A			L RATE			The DE	ATHS	regi	tered	in t	he W	eek i	nelud	е	
GREATER	Area in Acres,	Estimated		TALITY 0 living.	DEATHS	Deat	hs of	1		. 1	Death	s from	n			Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small pox.	Menistes.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœa.	Violence.	Deaths in Pulnstitution
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
REATER LONDON	448,334	5,642,015	20.8	1.8	2245	474	659		43	17	40	63	21	16	65	473
INNER LONDON -	77,410	4,351,738	21.2	1.9	1768	375	510		30	12	35	49	15	14	55	422
OUTER RING -	370,924	1,290,277	19.3	1.8	477	99	149		13	5	5	14	6	2	10	51

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,681,747 Persons.

						Di	SATHS		PRIN	ES.	ZYMO	_
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS. of Stillborn.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
CALCUTTA BOMBAY MADRAS PARIS BRUSSELS - with 8 Faubourgs.)	433,219 { 778,196 398,777 2,260,945 471,606 403,083 {	October 19 26 November 12 October 25 December 7 November 30	328 317 1127 268 280	250 223 397 291 1091 157 186	28·7 25·6 22·7 37·9 25·1 17·3 24·2	1	5 11 - 4	- P P 2 -	1 ? ? ? 31* - 4	- 1 ? 8 1	78 62 104 83 45 1	41† 39† 27† 34† 45 14
ROTTERDAM - THE HAGUE - COPENHAGEN - SCOCKHOLM - CHEISTIANIA - ST. PETERSBURG	197,723 { 153,440 { 507,000 228,218 138,300 842,883	December 7 November 30 December 7 November 30 December 7 November 30 December 7 November 23	266 175 166 100 102 232 132 43	184 86 75 53 57 121 75 62	23.9 22.5 19.7 17.9 19.3 20.6 17.1 23.3	1	2 - 1 - - 5 18	1 2 3 2 15	6 -1 -16 9* 4	1 3 2 1 1 3 3 - 4	2 - 1	- 2 - 4 - 4 8 2
BERLIN	1,489,672 575,276 264,196 315,000 281,000 811,434 304,856 452,907	10   20   30   30   30   30   30   30   3	879 428 155 219 218 477 -	516 204 94 150 178 362 172 259	17.6 18.5 18.5 24.8 32.5 23.2 29.5 29.7	?	2 - 3 - 2 10 2	3 1 - 1 - 2 4	27 9* 11* 5* 13* 4 3	4 5 ?	12 5 - 1 1 1 3 8	24 10 3 2 29 14 6 14
TRIBBTE ROME TUEIN (10 days)-VENICE CAIEO ALEXANDRIA - NEW YORK - GROOKLYB - PHILADNLPHIA -	158,084 407,936 306,398 154,569 374,538 231,396 1,571,300 834,607	, 30 October 5 November 20 , 30 ,, 21 ,, 21 ,, 23 ,, 23	234 - 93 449 220	77 182 - 111 397 165 612 291 327	25°3 23°3 - 37°5 55°3 37°2 20°3 18°0 16°4	1 - 26	6	- - - - 5 2	2* 5 - 7* 3* 14 21	2 2 - 4 1 7	- 20‡ - 1 19 9 10 2	4 25 - 11 143 48 16 2 2
BALTIMOER -	1,040,245 500,343	" 23 " 23	-	140	14.6	-		1	-	-	4	-

<sup>\*</sup> Including deaths from croup.
† Including 7 and 8 deaths respectively from cholera in Calcutta, 3 in Bombay, and 1 in Madras.
‡ Including 14 deaths from malarial fever.

LABLE Y. -BILLEUKULUCICAL UBSERVATIUND taken at the KOYAL UBSERVATORY, GREENWICH, during the Week ending Saturday, DECEMBER 14TH, 1889. Jal.] | Under the Superintendence of the Astronomer

civil day, or from midnight to midnight. The read of the beginning of the week to 80.14 in. by 10t. A.M. on the 8th; decreased from 80.02 in. at the beginning of the week to 80.14 in. by 10t. A.M. on the 8th; decreased to 29.11 in. by 9t. P.M. on the 10th; increased to 29.90 in. by noon on the 12th; decreased to 29.64 in. by 8th. P.M. on the 18th; and increased to 29.90 in. by the end of the week. The average temperature of the air is that derived from a discussion of the photographic records made at Greenwigh during the 20 years enting 1885, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and "thereber," than the average, it has been at 25 it will be borne in mind that + indicates "higher," and "the thermometers in the water of the Thames are suspended at a depth of two feet below they arriace, it the end of one of the jetties of the Foreign Cattle Market at Depford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

The record of Ricctricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—T. positive; N. negative; w. weak; m. moderate; s. strong; and 1.0 9.0 Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily deep point temperature and degree of hunding are deduced The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the The height of the cistern of the barometer is 159 feet above the mean level of the sea; no converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1878 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-Sum 0.23 in. 0.03 00.0 80.0 56 Depar-ture from Average of 16 Years. Miles. -195 Sum - 222 88 94 13 25 Horizontal
Movement to
of the Air
on each
Day. Sum 1925 5.4 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. Mean of 24 hourly obs. 0.0 0.0 9.0 23 Pressure on the Square Foot. 0.0 0.0 0.0 Great-8.8 est. 21 SW. & WSW. WNW. &NW. SW. & SSW. SW. & WSW. SSW. & Calm. N. & NNE. SSW. & S. P.M. 20 General Direction. SW. WSW. & SW. SSW. & SW WSW. & SW. & N. N. & SW. S. & SSW. A.M. NE. metrical lables. Of the Water of the Thames at Deptford. 37.8 9.48 39.4 38.5 88.8 37.4 est. 0.0 39.4 38.5 est, 17 Lowest 17.2 0.85 0.13 27.8 85.0 26.5 0.83 Of Radiation. 16 Overcast with rain in morning; cloudy till evening; dense fog at night. Cloudless with hoar frost and alight fog in morn-ning; partially cloudy and hazy till evening; cloudless at night. Very fine. Cloudless till evening; variable amounts of thin cloud afterwards. Hoar freet, even-High-est in Sun's Rays. 53.7 9.9 2.5 52.5 9.55 41.3 53.8 15 0 A little thin rain at night. Degree of Hu-midity (Saturain, 14 92 96 89 87 81 66 66 GENERAL REMARKS. Generally overcast, with occasional ing; cloudless afterwards. Overcast generally; occasional rain. Gloomy at times. Difference between the Air Temperature and Dew Point Temperature. 8.0 0.0 0.0 1.5 9.7 est. 12 Mean daily value. Cloudy; slight fog. 1.3 1.1 1.1 11 Overcast; foggy. Of the Dew Point. 36.0 2.68 0.87 10 De-parture from average of 2) years. 7.5 6 + + ş 1 FEMPERATURE. Sun above Horizon, in hours. Mean daily 39.8 8.98 38.1 Sum 54.9 00 30 Of the Air. 10.1 13.1 7 Registered Sunshine, in hours. Sum 4.4 53 0.0 0.0 4.4 0.0 0.0 0.0 31.9 31.6 2.58 31.4 37.5 30.5 24.3 32.6 9 est, 49.4 7.97 2.7 defective m. P. till lh. P.H.; m. N. till 3h. P.H.; 8. P. afterwards. P. till afternoon; s. P. till afternoon; P. afterwards. est. ELECTRICITY. (For explanation of symbols, see Note.) Mean daily reading a. P. throughout a. P. till aftern in. 30.089 29.403 generally 59.650 29.62 30.070 207.62 Insulation de in morning; afterwards. 881 s. P. generally 28 Breatest Dec. N. P. Moon. of the m. 00 12 10 13 DECEMBER. MONTH AND No. of Col. VEDNESDAY 1889. DATE. THURS. . SATURDAY THURSDAY MEANS TUEBDAY TUES. SUNDAY FRIDAT SUN. FRI.

### OFFICIAL COPY.

### RETURN WEEKLY

#### BIRTHS AND DEATHS IN LONDON

OTHER GREAT TOWNS. TWENTY-SEVEN

# By Authority of the Registrar General.

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WEEK ENDING SATURDAY, DECEMBER 21.

Price 1 d.

# General Register Office, Somerset House, 23rd December, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 23.5 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	Week	s ending			1	Weeks	ending	3
Towns.	Nov. Dec. 30. 7.	Dec. 14.	Dec. 21.	Towns.	Nov. 30.	Dec.	Dec. 14.	Dec. 21.
Birkenhead Birmingham Blackburn - Bolton -	$ \begin{array}{c ccccc} 15 \cdot 8 & 14 \cdot 2 \\ 18 \cdot 0 & 18 \cdot 9 \\ 17 \cdot 2 & 25 \cdot 0 \\ 24 \cdot 6 & 19 \cdot 1 \end{array} $	19·2 32·3	26·3 33·6	Manchester -	27.4	$\begin{vmatrix} 23 \cdot 0 \\ 20 \cdot 2 \\ 27 \cdot 3 \\ 22 \cdot 4 \end{vmatrix}$	21·2 31·1	21·8 32·1
Bradford* - Brighton - Bristol - Cardiff* -	20·0 24·2 15·0 16·7 16·6 19·8 19·0 25·5	27·1 18·0 20·5	23·3 14·1 23·4	Norwich Nottingham - Oldham Plymouth	11.6 16.0 19.1	23·2 17·3 19·1 36·7	17·1 20·4 31·9	24·8 18·9 24·9
Derby - Halifax - Huddersfield Hull - Leeds -	19·1 30·7 23·2 24·5 14·1 29·8 25·1 26·8 22·5 25·4	30·2 25·3 23·8	22·5 20·8 25·1	Portsmouth - Preston Salford* Sheffield Sunderland -	19·0 17·8 20·4	19·2 26·5 21·6 21·2	26·0 22·0 23·1	26·5 21·4 24·6
Leicester* -	14.6 18.0			Wolverhampton -		21·8 28·4		

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.0 in Birmingham and in Newcastle-upon-Tyne, and 1.1 in Bradford; from scarlet fever, 1.2 in Liverpool and 4.0 in Plymouth; from whooping-cough, 1.0 in Newcastle-upon-Tyne and in Birkenhead, 1.4 in Bolton, 1.6 in Leeds and in Salford, 1.9 in Wolverhampton, and 2.7 in Bristol; and from "fever," 1.2 in Sunderland and 1.3 in Wolverhampton. The 52 deaths from diphtheria in the twenty-eight towns included 27 in London, 5 in Manchester, 3 in Salford, 3 in Sheffield, 3 in Portsmouth, 2 in Plymouth, 2 in Birmingham, and 2 in Newcastleupon-Tyne. No death from small-pox was registered in any of the twenty-eight great towns.

### LONDON.

In London 2513 births and 1816 deaths were registered. Allowing for increase of population, the births were 122 below, while the deaths exceeded by 5, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which increased in the four preceding weeks from 16.5 to 21.2, further rose last week to 21.8. During the first twelve weeks of the current quarter the death-rate averaged 17.6 per 1000, and was 2.7 below the mean rate in the corresponding periods of the ten years 1879-88.

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford and Bradford are under-estated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

The 1816 deaths included 35 from measles, 22 from scarlet fever, 27 from diphtheria, 60 from whooping-cough, 1 from typhus, 12 from enteric fever, 13 from diarrhæa and dysentery, and not one from small-pox, ill-defined forms of continued fever, or cholera; thus, 170 deaths were referred to these diseases, being 79 below

the corrected average weekly number.

No death from small-pox was registered, the corrected average being 9; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and only 2 in the Highgate Small-pox Hospital. The fatal cases of measles, which had been 18, 41, and 30 in the three preceding weeks, rose again last week to 35, but were 41 below the corrected average; 3 belonged to Bethnal Green, 6 to Stepney, 3 to Mile End Old Town, and 5 to Lambeth sanitary areas. The deaths from scarlet fever, which had been 24 and 12 in the two previous weeks, rose again last week to 22, but were 22 below the corrected average; 2 belonged to Chelsea, 2 to Clerkenwell, 2 to St. Luke, 2 to Mile End Old Town, and 2 to Newington sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1594 scarlet fever patients on Saturday last, against numbers increasing in the twenty-five preceding weeks from 559 to 1667; 115 cases were admitted to these hospitals during the week, against 154 and 144 in the two preceding weeks. The deaths from diphtheria, which had been 47 and 35 in the two previous weeks, further declined last week to 27, but exceeded the corrected average by 5; 2 belonged to Hammersmith, 2 to Chelsea, 2 to Marylebone, 4 to Islington, 3 to Hackney, 2 to Mile End Old Town, 2 to Poplar, and 3 to Lambeth sanitary areas. The 60 fatal cases of whooping-cough showed a further increase upon the numbers in recent weeks, but were 2 below the corrected average; 3 belonged to Paddington, 3 to Chelsea, 4 to Bethnal Green, 3 to Stepney, 3 to Mile End Old Town, 3 to Bermondsey, 8 to Lambeth, 6 to Battersea, and 8 to The deaths attributed to diarrhea and dysentery, Camberwell sanitary areas. which had been 12 and 14 in the two previous weeks, were last week 13, and one below the corrected average; 5 were of infants aged under one year, and 3 of children aged between one and five years.

The deaths referred to enteric fever, which had been 15, 8, and 15 in the three preceding weeks, declined again last week to 12, and were 8 below the corrected average. The fatal case of typhus occurred in the Fever Hospital at Deptford, and was of a skin-puller, aged 28 years, admitted from Vauban Street, Bermondsey. The Metropolitan Asylum Hospitals contained 120 cases of enteric fever and 9 of typhus on Saturday last; 15 cases of enteric fever were admitted during the week,

against 8, 11, and 16 in the three preceding weeks.

The deaths referred to diseases of the respiratory organs, which had increased in the eight preceding weeks from 281 to 552, declined again last week to 518, but

exceeded the corrected average by 16.

Different forms of violence caused 69 deaths, concerning all but 2 of which inquests were held. Of these 69 deaths, 7 were cases of suicide and 3 of murder or manslaughter, while the remaining 59 were attributed to accident or negligence. Two of these were caused by vehicles in the streets, 13 by burns or scalds, 4 by poison, 9 by drowning, and 12 of infants aged under one year by suffocation.

### GREATER LONDON.

In Greater London 3283 births and 2241 deaths were registered, corresponding to annual rates of 30·4 and 20·7 per 1000 of the estimated population. In the Outer Ring 19 deaths from whooping-cough, 10 from measles, 7 from diphtheria, 4 from scarlet fever, and 4 from "fever," were registered. Whooping-cough caused 4 deaths in Tottenham and 3 in Stratford sub-districts. Of the fatal cases of measles, 4 occurred in West Ham, 2 in Croydon, and 2 in Walthamstow sub-districts. Two deaths from scarlet fever and 2 from "fever" were also returned in Croydon sub-district.

### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30.01 ins.; the highest reading was 30.30 ins. on Monday evening, and the lowest 29.45 ins. on Friday at noon. The mean temperature of the air was 43.5, and 3.2 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Sunday and Thursday, but showed an excess on each of the other days of the week. The general direction of the wind was S.W., and the horizontal movement of the air averaged 12.9 miles per hour, which was 0.1 mile above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0.33 of an inch. The duration of registered bright sunshine in the week was 2.1 hours, against 3.5 hours at Glynde Place, Lewes.

1				_	_	-	-		-			-	-	_	_		=	_	_	_	-		_	-								
		CITIES AND BOROUGHS.	Cols.	- 28 TOWNS	1000	BRIGHTON.	FORTSMOUTH.	NORWICH.	PLYMOUTH.	WOLVERHAMPTON	TOTAL TOTAL TOTAL	BIRMINGHAM.	Nomina	DEPLINGHAM.	PIPERSI.	LIVERPOOL.	BOLTON.	The second second	SALFORD.	OLDHAM.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	Description	DEADFORD.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE. CARDIFF.		EDINBURGH.	DUBLIK.
	KAINFALL.	In Centi-	24.	1.37		2.46		1	1.40	2.03		1	10.0	0 20	3 1	2.79			ı i	1	1	1	, ,	1	7.7	,	1.02	ı	0.15		10.5	
	KAR	ln Inebes.	23.	0.54	00.0	26.0	1	1	0.22	0.80			0.54	0 0	l i	1.10	1			1	•	1			24.0	3	0.40	1	90.0	1	64.0	
E AIR.	Mean.	entigrade.	250	5.78	00.00	84.9			6.17	4.28	2	ı	4.70	0 1		7.39	2	-		1	,	8	1 1	. 00	600	1	4.22	1	200	-	6.28	-
E OF TH	M	sprenheit.	21.	42.4	40.E	44.2	1	,	48.1	2.68		1	40.0	0 0#	1	45.3	1	1	1	1		ı	1 1	0.07	0 74	1	9.68	1	41.5	1	43.3	
TEMPERATURE OF THE AIR.		Fahrenheit,	20.	24.0	0.66	35.0	ı	1 8	33.5	27.8		1	0.76	0 1		35.6				1	1	1	1 1	00.00	1 1	1	0.67	2	31:0	= 2	29.5	
TEMPE	.1	Highesi	19.	54.0	1.60	2.09		1 0	52.0	25.8		1 1	20	1	1	54.0	1					ı	1 1	0.02		1	53.0 2	1	0.89	1	55.5 2	
Annual Rate per 1006,	onding he Deaths	From Diseases in Cols. 6-12.	18.	2.3	2.0	6.0	2.5	7.7	9 .00	4.4	4.6	1.0	1.3	1.1	1.2		2.3	3.5	8.8	1.2	4	0.0	9.0	0.0		2.4	8.0	8.3	3.6	-	20.20	
Annual Rate per 1006,	corresponding to the Week's Deaths	IlA mora	17.	23.5	21.8	14.1	22.5	8.47	23.4	30.3	8.96	0.41	6.81	1.83	14.8	9.43	33.5	32.1	21.4	6.75	33.6	0.00	22.2	98+8	24.8	24.6	25.1	8.12	27.6	1	30.0	
	sth.	onlitreenU office asenso	16.	83	22	-	1 1	1 1	63	ı	7	67	1	1	1	20	1	9		1	- 0		1 61	-	63	9	_		1 8	-	53 20	
	.8	Deaths in Public moitutitent	15.	787	419	61	ক গ	0 01	17	90	45	11	12	П	63	22	9	53	14	4	77	9 00	-10	14	21	16	13	4	00 ro	-	26 3	
		Inquest Case	14.	282	156	67 0	07 F	4 90	0	67	0	20	4	7	1	18	4	26	ಣ	1	1 0	3 -	4 63	9	15	4	70	03	- M	-	p., p.	
lude		Violence.	13.	149	63	ol r		1	4	63	9	တ	67	တ	1	15	0.1	10	63	1	8 -	-1 1	63	4	90	г	10	H	4 14	-	4 0	ı
The DEATHS registered in the Week include		.amdrraid	12.	35	13	1 6	1 13	1	1	1	03	1	-	1	3	-	-	63	1		3 0	-	1	,	1	00	•	1 1	- 1	=	<b>4</b> 9 ¢1	,
the W		F676T.	=	52	13	i r	7	1	1	63	Н	ı	-	1	1	10	1	9	63	- 0	4 1	1	1	27	10	9	ı	es (	21	-	<b>⊢</b> ∽	1
ered in	Deaths from	Whooping-	10.	158	09	-	1 1	1	12	00	-	-	-	1	67	H	00	ಣ	2	67 1	- 1	1	1	9	11	-	63	1 0	00 1	-	7 7	1
registe	Death	Diphtheria.	9.	52	27	1 0	» –	67	1	-	63	1	1	-	1	1	1	20	9	1	1 1	1	•	1	H	20	1	1 0	3 1		oo ⊀*	1
EATHS		Scarlet Fever.	00	73	22	1	1 1	9		1	9	1		_	_	14		4	9		- 1	1	Н	1	4	4	3		1 1			•
The D	-	Measies.	-	73	35		1 1		63	H	0	1	67	1	1	10	1	62	1	1 0	9 -	1 1	1	10	\$	-		23 0	0 1		77 17	
		Small-pox.	6.	1	-	1 1	-	-	1		1	•	1	-	3	1	1	1	1	1	1 1	1	-	1	1	1	1	1	1	_	1 1	1
	Deaths of	Persons age 60 Years snd upwards	00	121	529	II #	02	11	43	00	75	15	24	19	12	10 0	24	20	27	5 55	19	14	6	31	47	41	300	11	11		22 23	1
	Des	lnfants unde lo resy f	4	848	364	e 6	13	10	16	14	45	7	20	14	63	19	50	41	15	14	13	4	-	22	23	400	er ;	14		00	3 8	1
during	endirg , 1889.	EATES.	00	4304	1816	88 5	45	41	103	48	553	49	86	53	53	321	20	283	96	2002	22.00	37	35	105	170	154	POT TO	9 20	47	104	304	,
Registered during	the Week ending 21st Dec., 1889.	BIRTES, DEATES.	21	5493	2513	100	70	49	186	4.7	245	88	101	25	73	312	1.0	231	113	7.0	62	40	34	113	220	202	101	112	80	101	327	
-	Z.	middle of the Year 1889.	1:	9,555,406	4,351,738	121,807	94.510	78,225	229,361	82,544	454,835	150,520	237,812	68,529	102,511	606,562	114,670	278,800	284,283	192,405	104,194	92,825	81,080	285,056	357,449	908 017	184 193	160,983	112,712	968 000	528,144	200,000
		ař.	Cols.				•	•	٠	PION	•	•	•		•			•			•	. 93	•				•	•	•	•	•	
	TIES	AND CRUTGES.		28 TOWNS	LONDON	BRIGHTON	NORWICH .	PIXMOUTH .	HRISTOI .	WOLVERHAMPTON	BIRMINGHAM	LEICESTER .	NOTTINGHAM	I'ERBY .	BIRKENHEAD	LIVERPOOL	- WOLLON	MANCHESTER	SALFORD	BLACKBURK .	PRESTON .	HUDDERSFIELD	HALIFAX .	BRADFORD	Surpriero.	HULL .	SUNDERLAND	NEWCASTLE*	CARDIPP.	EDINBURGH -	GLASGOW .	- British

TABLE 2. LONDON.—Births and Deaths Registered in the FIFTY-FIRST Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females .	2594	2059	2467	2728	2579	2631	1965	2075	2406	2655	2634·5	2513
	1291	1024	1223	1456	1307	1329	1057	1040	1200	1368	1340·8	1267
	1303	1035	1244	1272	1272	1302	908	1035	1206	1287	1293·7	1246
TOTAL Deaths  Males Females .	2204	1242	1655	2019	1609	1595	1408	1570	1502	1802	1810·8	1816
	1080	635	793	995	828	823	720	748	782	887	898·7	909
	1124	607	862	1024	781	772	638	822	770	915	912·1	907

The numbers in this column are the average weekly numbers in the fifty-first weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON.-BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

		g , l	0.1	0.1	0.1	0.1	D.T.	37	BT	BT	Nov.	Dec	Dec.	Dec.
		Sept. 28.	Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.	Nov.	Nov. 9.	Nov. 16.	Nov. 23.	30.	Dec.	14.	21.
TOTAL	Births	2504	2364	2595	2518	2580	2623	2658	2522	2517	2321	2270	2535	2513
TOTAL	Deaths	1861	1381	1821	1410	1310	1317	1350	1451	1375	1448	1683	1768	1816
Ages at Death	0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - at 80 years & upwds.	644 186 244 245 42	630 201 230 261 59	581 187 227 263 63	590 209 <b>274</b> 272 <b>65</b>	562 163 250 283 52	599 200 209 253 56	606 181 245 265 53	667 188 254 265 77	660 176 259 222 55	647 184 266 292 59	713 196 294 392 88	719 227 312 418 92	723 216 348 424 105
<b>9</b> 7	\begin{cases} \text{Under 1 year} & - \\ 1 - 5 & - \\ 5 - 20 & - \end{cases}	386 165 93	376 172 82	321 175 85	320 187 83	276 200 86	323 212 64	310 209 87	343 235 89	335 233 93	333 227 87	353 265 95	375 247 97	364 261 98
Deaths fr	mom Small-pox - , Measles - , Scarlet fever - Diphtheria - , Whooping-cough Typhus -	7 22 44 23 2	9 20 45 14	13 15 35 14 1	28 25 41 26 1	17 27 37 22 1	22 20 31 21	1 20 23 23 24	33 24 38 37 1	33 17 30 31	18 19 33 44	41 24 47 47	30 12 35 49	22 27 60
22 22 23	Enteric fever SimpleContafever Diarrhoea and Dysentery Cholera	19 1 80	19 2 52	16 - 28 -	22 -	21 1 15	19 - 17	17	20 - 16 -	22 2 17	15 1 12 -	8 2 12	15	12 -
"	", all the above- amentioned Diseases	198	162	122	151	141	130	120	169	152	142	181	155	170
)) ))	,, Dis. of Respira- tory System ,, Phthisis - ,, Dis. of Circula- tory System	189 146 112	225 148 123	264 129 127	300 184 115	281 141 115	300 125 104	318 141 122	321 154 121	328 169 113	345 183 126	432 161 165	552 182 163	518 161 189
	Deaths Cases - n Public Institutions	62 119 336	62 119 335	50 99 314	57 112 332	49 101 319	59 123 309	51 97 313	65 122 363	57 114 314	53 113 336	56 128 358	55 124 422	69 156 419
Mean Mean	of Highest readings - of Lowest readings -	50.6 58.9 42.9	48·9 56·7 43·8	49.8 58.4 42.6	49·4 57·8 41·6	46·7 53·7 41·5	47·3 54·0 41·4	47·3 53·3 40·8	46.8 52.7 41.0	44.9 48.2 41.3	37.6 43.4 32.0	32·1 35·8 27·8	33·1 42·5 31·9	43.5 47.3 38.1
Rain-fall	ey of the Air I in inches red Sunshine (in hours)	80 0·85 17·4	89 0·90 10·0	82 0·57 <b>3</b> 1·1	88 0·70 17·3	94 1·07 8·1	88 0·78 23·1	90 0·26 3·9	93 0·01 11·9	94 0·13 0·0	84 0·32 5·9	85 0·23 8·4	92 0·23 4·4	94 0·33 2·1

### METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolvernampion; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingmam; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., R.C.S., Preston; J. McLanusborough, Esq., F.G.S., F.R.Mst.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Healtz, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

LONDON.-DEATHS Registered at several groups of Aces from different Causes in the

					Fie	TY-	FIR	ST	Wee	k of the Year 1889.					, , , , , ,	, 111	· UIIC		
	for the	3	In	the	We	ek en Decei	nding	1889	),	1	the		o turni	In th	e W	nek e	ndin	g	
	for 10 ye			aths	of l	Perso					s for the		-		-		mber		-
	Averages fo		1	t	he A	l ges	1 .	1 3	-		Averages ks of the 10 1879-88.*			t	he A	ges	40 01		_
CAUSES OF DEATH.	Ave s of 879-		J	Inde: 20.	r	er 40.	under 60	er 80,	and	CAUSES OF DEATH.	Aver soft 879-2		1	Unde 20.	r	r 40°	r 60,	r 80°	8.11.0
	Week	AGES				under		under	Years		Veek	AGES,	-		1	under 40	under	under	70 T.
	Corrected 51st Wee	ALL A	0-7.	1-5.	6-20.	pur (	pur.	pur .			Corrected 51st Week	ALL A	U-1.	1-5.	-20.	and	and	and	2 000
	100	1 4	10	-	9	28	-	1 5	15	1	0,0	4	2		5-	20	40	90	3
ALL CAUSES	1810.8	1816	364	261	98	216	348	424	105	Diseases of Organs of Special Sense † }	2.3	3	-	-	2	-	1	~	-
Small- Vaccinated -	} 8.5	-	-	-			_	-	-			-	1	-	-		-		
No Statement	1,1	-	-	-	-	-	-	_	_	Diseases of Circulatory	125'0	189	2	1	8	23	60	86	9
Measles	76'0	35 22	8	23	4	- 1	- 1	- q	-	Croup	16.1	14	2	10	2		_		
Scarlet Fever Typhus	0.2	1	-	13	-	1	-	- E	-	Bronchitis	323'5	322 123	61	49 28	12	8 17	18	129 12	24
Relapsing Fever †	0.0	-	-			-	-		-	Pleurisy Other Diseases of Respi-	5'2	55	10	9	3	3	16	13	-
Induenza Whooping-cough	62.3	60	23	36	1	1 -	-	-	-	ratory System}	:							10	1
Diphtheria	22.2	27	1	15	9	-	. 1	1		Dentition †	14'2	8	3	15	-		ī	-	-
Simple Continued and Ill-defined Fever	1.5		-	-	-	-			-	Quinsy, Sore Throat t - Enteritis - Peritonitis -	2.6 7.0 7.3	9 7	1		ī	1 4	3	3 2	-
Enteric Fever	20.3	12	-	-	4.	7	1	-		Diseases of Liver	23.2	20	-	-	-	4	12	4	-
Cholera Diarrhesa, Dysentery -	0.1	13	5	3	-	-	~	-	-	Digestive System -}	28.4	29	7	8		4	5	9	1
Diarrhœa, Dysentery	0,8	-		-	-	-	2	3	-	Diseases of Lymphatic)	or managing around the				-				
Hydrophobia	0.5		-		-	-	-	-	-	System & of Duetless Glands † -	1.4	2	-	1	-	-	1	-	-
Glanders Cowpox and Effects of	0.0	-		-	-	-	-		-								-		
Vaccination † }		70	-	-	***	-	~	-	-	Diseases of Urinary	42.4	51	1	-	1	7	24	15	3
Venereal Affections - Erysipelas	9.8	10 5	5	2	_	1	3	1								-	-	-	
Pyæmia and Septicæmia †	4.0	-1	-	-			-	-	_	Diseases of Generative	5.8	7	-	-	-	1	4	2	-
Puerperal Fever	8.3	7	-	-	-	7	-	-	~	Accidents of Childbirth -	3.2	1		-	-	1	-	-	-
Other Zymotic Diseases †			-		-		-			Diseases of Locomotive	817	9			2	4	2	1	
Thrush	1.8	1	1	-	-	-	-	-	-	System †}		-			_		-	-	_
Worms and other Para- sitical Diseases}	0.9	-		-	-			-		Diseases of Integumen-}	7.4	8	2	2		-	2	2	
Starvation, Want of										tary System 5				-					
Breast-milk +}	2,6	5	4	1	-	-	-	-		WIOI DAYS THE STREET									
Alcoholism	3.7	9	_	-	_	4	5	-		VIOLENT DEATHS.§ (Accident.)									
Rheumatic Fever, Rheumatism of Heart†	9.6	6	_		2	2	1	1		Fracture and Contusion	22.0	19	-	1	2	4	4	7	1
Rheumatism †	1.8	3	_	-	-	1	1	1		Gunshot Wound Cut, Stab Burn and Scald	0°1 0°1 7°4	13	4	-	3	1	-	-	
Gout	2.9	3	-	-		- :	1	2	-	Poison Drowning	1.6	4 9	-	-	1	2 4	2 8	-	-
Rickets†	51.9	4 46	2	2	1	3	22	19	- 1	Suffocation Otherwise	4°5 17°7 2°4	12	12	-	-	-	1	-	-
Tabes Mesenterica -	21'4	15	8	5	1	-	1	-	-				_	_		-	-	-	
Tubercular Meningitis - Phthisis	25'8	16 161	5	7	4	- 1	-	-	-	(Homicide.)									
Scrofula, Tuberculosis -	161.8	13	8	3 !	13	72	57	13		Murder & Manslaughter	0.0	3	2	-	1	-	-	-	
Other Constitutional Diseases † }	12.0	14	-	-	1	5	6	2		(SUICIDE.)									
				-	-		-			Gunshot Wound Cut, Stab	0·2 2·5	- 4	-	-	-	3	1		-
Premature Birth Ateleotasis †	36.6	33	33	-	-	-	-	-	-	Poison Drowning	1·7 0°9	2	-	-	-	1	-	1	-
Congenital Malforma-	5.7	7	1 5	-	-	-		-		Hanging Otherwise	1.1	- I	=	-	-	-	-	1	-
tions } Old Age	59.2	85	-	1	-	1	_	24	-	3.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1					-		-		-
		-	-		_	-	-	35	50	(Execution.)									
Apoplexy	47°7 5°8	48	3		-	5	13	22	5	Hanging	0.1	-	-	-	-	-	-	-	-
Convulsions	52.2	9 58	45	13	-	8	3	2	-	,				-		-			-
Other Discases of Brain } and Norvous System }		91	10	16	8	3	11	31	7	OTHER CAUSES †	61.6	62	54	1		-	4	2	1
·	,													}		!	1		- Contraction

60198.-12.

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9.046 per cent, for increase of population. As the ten years average could not be correctly ascertained, the average for the seven years 1882-8 has been used. These cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered titioner, the case is returned under the heading "no statement."

The evidence at inquests is often manufactor to enable the Caroner to certify wecame a violent death of the result of accident, number, allaugher, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON. -POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

				_	_		Mha	DWAS	end re	rista	radir	=	Week		ude	П	=	
							The	DEA		Death		_						-1
	Enume-			Deat						i	B Iro						olio	808
REGISTRATION	Popu-	Ha	CHB.	10.	M G		Ì	er.		sons		(or Fever	ver.				Publio	Causes
SUB-DISTRICTS.	lation,	Вівтия			aged a second	DOX.		Fever	eria.	ing		id)	d Fe	. B.	.00	t Cases.	in	ath
	1881.	Total F	Total 1	Infants Year	Persons Years	Small-pox.	Measles	Searlet	Diphtheria	Whooping-cougi	Typhus	Enterio (o	Simple con-	Diarrhosa	Violence.	Inquest	Deaths in Institution	Uncertified of Death.
		To	F	Inf	Per	Su	K	20	Ö	×	H	En	Sil	D	<u>A</u>	- In	D	5
LONDON · · ·	3,815,704	2513	1816	364	529	-	35	22	27	60	1	12	-	13	69	156	419	22
	669,688	373	295	56	88	-	4	6	7	11	-	4	-	2	9	25	70	3
West Districts	905,947	556	392	76	123	-	4 2	5	10	5	-	2	-	4	19	12	94 26	2
CENTRAL DISTRICTS	282,238 692,738	153	110 418	22 89	23 122		15	1	4	13	~	2	_1	4	19	48	115	1
SOUTH DISTRICTS - HOS-	1,265,148	906	599	121	173	-	10	5	5	30	1	4	-	3	17	30	112	16
SOUTH DISTRICTS METROPOLITAN ASTLUM HOS- PITALS OUTSIDE REGISTRATION	-	-	2	- 1	_		_	2	-		-	-	-	-		_	2	-
LONDON													1	_	,	,	0	
TO THE WOOD OF THE CALL AWAY	69888 87380	35 12	29 18	9	10 9	-	2 -	-	1 -	3	-	ī	-	-	1	4	5	-
St. John Paddington H	120141	61	34 12	10	14	-	-	-	1 -	1 -	-	1 -	: -	=	2 2	6 2	7 3	-
Brompton H - W.M	7 899	14	6	1	4	-	-	-	1	ī	-	ī	1 -	-	- 1	1 4	-	ī
St. Peter Hammersmith H W.M. & G.J. Fulham Weew - W.M. & C.	64340 42900	50 68	31 40	8	7	- 1	-	4	2	2	-	-	1		-	1	11 7	
Chelsea South HHH - C.	30396 24925	14 20	21 15	5	5 9	=	2 -	1 -	2 -	3	-	-	13	2	1	1	8	-
Cheises North-cast	32807	22	12	1	2 4	-	-	-	-	-	-	-	-	-	1	1	7	
May rair WHHH C.	59220 35496	14	30 16	1 5	6	-	-	-	-	1	-	1 -		-	=	1	1 3	2
St. John Westminster H - C.	24679	16	11 9	1	3	-	-	1	-	-	-	-	_	-	-	-	2	-
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	16608	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
NORTH DISTRICTS.	26759	7	16	4	3		-	-	2	-	-	-		-	2	4	7	-
All Souls Marylebone HHHHH W.M. Cavendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christohurch Marylebone HI - W.M. St. John Marylebone H - W.M.	14891 24809	2 14	1 4	-	1 2	-	-	1	-	-	-	-	1 -	-	1	1	-	-
St. Mary Maryleb. HHH G.J. & W.M.	1. 21118 88700	13	19	6 2	3 3	13	-	-	-	1	-	-	1:	1 -	1 -	1	1 -	-
St. John Marylebone H W.M. Hampstead WwwHHHH N.R. & W.M.	33638 1 45452	21 39	18	3	4	-	-	1	1	-	-	-	-	-	1	1	4	-
Regent's Park Paneras H - W.M.	89115	20	19 23	6 2	3	-	1 -	-	-	2 -	-	-	1:	1 -	1	1	19	-
Gray's Inn Lane HHH - N.R. Somers Town H - N.R.	30247 84369	16 20	9	1 2	3	-	1	-	-	-	-	1 -	-	-	1	1 2	3	-
Somers Town H N.R Camden Town WH N.R Kentish Town W N.R	• 1 17811	9 56	16 36	3 4	15	-	-	-	-	-	-	1 -	-	1	-	3	11	-
Trans Hollower WWasH N.R.	67946	54 73	45	8 7	14	1:	-	1	1 -	1	-	1 -	-	-	2	4 2	13	-
Islington South-west HII	61895	28	24 18	5 3	7 5	-	1 -	-	ī	ī	-	-	-	-	1	3 2	-	-
Stoke Newington H N.R.	. 22781	12 11	5	- 2	3	-	-	-	-	-	-	-	-	-	1 -	1 -	-	-
Stamford Hill E.L. West Hackney H - N.F. Hackney WwwwH - E.L.&N.	8.   87610	33	15	9 4	19	-	-	3	-	-	=	-	:	-	2	4 5	1 22	-
South Hackney	39888		15	4	4	-	1	-	-	-	-	-	-	1	1	1	1	
CENTRAL DISTRICTS.  St. George Bloomsbury - N.I.	3. 16681		6		1	-	-	-	-	-	-	-	-	-	1	2	-	-
St. Giles South WH N.I.	3. 13837	5	3 7	1			-	-	-	-	-	-	-	-	-	-	1 -	-
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.I. St. Clement Danes H N.I.	C. 17506 R. 751	5 2	7	1		-	-	-		-	-	-	-	-	-	1 -	4	-
Strand Union Workhouse, Edmonton u	7	-	10		1	-	-	-	-	-	-	-	-	-	1 -	1 -	6	-
St. Geothe-Martyr HHHHHHH N. St. Andrew Eastern W - N.	R. 1867 R. 1070	6 8	8		1		-	1	_	-	-	-	-	-	ī	1	1	-
Saffron Hill H N.	R. 658 R. 1751	6 15	3	5   8			-			-	-		-		1		-	=
Pentonville N.	R. 1477	3 8	11 6	3	2 2		-	1	-	-	-	-	-	- 1	-		-	-
Goswell-street Old-street H City-road HHL	R.   1154	1 3	1 4	4	3 1	ı I-	1	. 1		-   -	-	-	-   -	-	-	-	-	-
Whiteeross-strees N.	R. 921	7 10		2 2	- 3		1	- II							-	1 -	-	-
Holborn Union Workhouse, Mitcham; a 8t. Botolph H N.R.&E	w			-	2 1		-   -	1	-   -	- 1	11-		-   -		-	-	-	_
Cripplegate N.	R. 719	8 -		3	1 3			- 1			-   -		-   -		1	-	-	-
Bt. Bride W N.	R. 839	36		3	1 .		-   -	-   .	-   .				11:	-	1 -	-	-	1 3
Broad Street H N	.R.   56			- 1	-   .		u			-   .			-   -		1 -	-	· II -	1
												_	-			-		

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; w—A Workhouse Establishment receiving immates from other Districts than that in which is stance, see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signifies drand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E.L., East Lendon and K., the Kent Company.

YEE, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district turday, the 21st December, 1889.

turday, the 21st December, 188	<i>3.</i>	1				_												
							The	DEA				n the	Wee	k incl	ude		_	-
REGISTRATION	Enumerated Population, 1881.	Total Blarns.	Total DEATHS.	Age.	Persons aged 60 w	Small-pox.	Meastes.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	1 1	Simple con-	Diarrhæa.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes
EAST DISTRICTS.  blywell Shoreditch - N.R. & E.L. Leonard Shoreditch HIS - N.R. oxton New Town w - N.R. oxton Old Town - N.R. argerston WH - N.R. & E.L.	7376 14967 \$9987 28036 46275	11 10 24 22 33	2 2 21 14 25	1 3 3 3 3	1 1 11 3 4	11111	1		1	-		1111	1 1 1 1 1	11111	4	1 1 5	10 6	11111
Sthnal Green North $H$ - E.L. ethnal Green South - E.L. thnal Green East $WHL^*$ - E.L. italfields E.L. & N.R.	51157 34399 41405	42 87 31	21 14 30 7	6 3 8	3 5 12 8	1111	1 00 1	1111	111	1 1 1	1 1 1 1	1 -		1111		1	14	1111
ile End New Town W - E.L. & N.R. hitechapel Church H E.L. & N.R. odman's Fields - E.L. ldgate - N.R. & E.L.	15478 17490 9718 6102	11 18 3 5	21 22 3 4	3 2 1 1	9 2 - 1	1111	1	1111	1111	1111				2	3 1 -	2 3 1 - 2	14	
George's North E.L. John, St. George East W - E.L.  adwell H E.L.& N.R., stellfff E.L. mehouse E.L.	38747 8410 10895 16107	40 6 8	12 9 13 7 18	7 1 6 1	7 - 1	11111	1 - 1 5	11 119	1.1 1.1	2	1 1 1 1	11111	11 511	111	1 1	-	7 6 -	
ile End Old Town West H - E.L. ile End Old Town East WwwH- E.L.	37960 67653	9 26 48 82	14 52 21	5 7 4	20	-	2 1	1	1 -	3	1 11 1	1		1 1 1	1 1 2	8 4	13	1 1 1
ow $L^*$ E.L. romley $wwwH$ E.L. oplar $WWH$ E.L.	87074 64859 55077	51 39	55 31	10 7	19 10			-	1 -	1	1 1	-	***	1	3	8	28	1 -
SOUTH DISTRICTS.  hristchurch Southwark WH L, & S.  ent-road S. & L.  ontough-road WH S. & L.  ondon-road HL L. & S.  inity Newington - S. & L.  A Peter Walworth W - S. & L.  Mary Newington - L. & S.	13663 14999 21381 15953 21318 26672 59555 21623	17 17 10 16 19 30 9	8 6 10 5 7 12 27 7	1 3 2 2 3	5 1 2 1 -2 11 1	1111111	11111111		111111		11,1111,1	1111111	1111111	111111	1	2 1 - 1	2 - 2 - 3 -	1 1 1
Olave   WH   S. & L.	11956 16800 15669 54683 86024	11 13 11 86 21	14 10 5 25 15	2 1 2 12 2	2 2 1 4 7	1111	1 1	11111	11111	1	1111	1 -		1 -	2 -	1 - 6 1	2 7	1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	15195 16351 19676 39859 45282 35832 62837 19017	10 22 14 35 35 11 45	10 13 35 19 14 25 8	- 3 1 6 5 4 5	1 2 - 14 7 5 7 3		1 1 1 1 1 1	1111111	1 1 - 1 1	- 222 - 31		1	1111111	111111	311	811	2 9 18 - 3	1 2 1
ast Battersea     -     -     8.       Vest Battersea     WwH-     -     8.       lapham     -     -     8.       Vandsworth     WHL     -     8.       vandsworth     -     -     8.       treatham     -     -     8.	54675 52587 36380 28004 18235 25553	56 50 15 22 6 26	19 81 17 13 5 8	6 5 1 4 2 2 2	5 11 10 3 1 8	111111	1	111111	11111	2 4 - 1 -	111111	11111	0 0 0 0 0	11111	11111	1	9 4 -	- - - -
ulwich L & S. amberwell W w L*L* - S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & S	5590 59104 71089 50810	8 42 59 41	3 86 83 26	3 8 6	1 15 10 5	1111	1 1 1	- - 1	1 -	- 5 8	-				3		21 1 -	2 -
Rau Deptford www - K, t. Nicholas Deptford K, reenwich West H K, reenwich East WHH - K,	76752 7901 21972 24608	50 5 18 81	35 2 8 14	5 2 3 2	11 1 6	1111		1		1 1 -	1	2			3 - 2 1	3 - 2 1	. 8	1
R	5048 21559 19865 26076	1 10 16 19	7 8 12	1 2 4	1 2 2	7 - 7 -	1			ī -	-	7 7 7	1 1 1	. 1 1 1		1111	2 1	
hariton H// Voolwich Dockyard K. Voolwich Arsenal HH K. lumstead, West H K. lumstead, East W K.	10930 17617 19048 14009 19241	4 9 11 4 22	3 9 5 7 18	- 1 1 2 2	1 1 1 1 4			ī -	11:11	ī	- 1 1 1 1	1 1 1	11111		1111	1 -	10	1
(etropolitan Asylum Hospitals:  Dartford w  Winchmore Hill w  Plaistow w	-	-	2 -		1 1 1	-		2 -	111	-			1 1 3		-		2	

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the ore Table by w:--

Stepney Workhouse in Bromley sub-district.

Found a Stepney Sick Asylum
Westmister Union Industrial School in West Battersea sub-district.

Strand and Holborn Workhouses outside Registration London.

St. Sariour's Infirmary in Camberwell sub-district.

Metropolitan Asylum District Hospitalistic Hunam, Hampstead, Hackney, Briston, and St. Paul, Deptford sub-districts, and in Dartford,
Edmonton, and West Ham sub-districts outside Registration London. Marylebone Infirmary in Kensington Town sub-district.

General London Sick Asylum in Tottennam Court-road sub-district.

General London Sick Asylum in Tottennam Court-road sub-district.

Holborn Infirmary in Upper Holloway sub-district.

Hackney sub-district.

Hackney sub-district.

Hackney sub-district.

White End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

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Mile End Old Tow

TABLE 6 .- LONDON .- OUTER RING .- AREA; POPULATION - STRTER and DEATHS registered foring the

			1	Week	14	4		_										-
Regis-		Area				1_			The D	EATHS	regist	ered in	a the	Week	inelude	1	1	
tration District		Acres, inclu-	Enume-		nô.	Dea	ths of				Death	s from						
and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS	ding Tidal Water and Fore- shore.	Popu- lation, 1881.	BIRTHS.	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Souriet Fover.	Diphtheria.	Whooping-cough.	Kever	Harriosa	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes
LON	TOON - OUTER RING	370,924	950,957	770	425	93	137	-	10	4	7	19	4	1	9	24	52	8
50:1 2	Carshalton wL Epsom (part of) WwH	12228 9971	21118 10710	14	7	1	1	-	-	-	-	-	-	-	-	-	5 -	4 4
87:1	Godstone (part of) * -	2754	1235	-	2	-	2	-	-	-	1-			-	-	- 1	1	92
38:1	Croydon WwFHI Mitcham w†	908 <i>5</i> 1 11697	101241 17932	61 18	<b>41</b> 8	9	14		2	2 -	-	2 -	2 -		1 -	1	11	5
89:1	Wimbledon HHH Kingston WHH	3220 8549	15950 36854	11 23	7 12	3 8	3	-	-	-	-	1 -	-	-	1	2	1	And the Real Property
8	Esher (part of) * - Hampton H -	6601 4573	9221 18589	12 15	6	3	8	-	-	-	-	1 -	-	-	1	1	-	1
40:1	Richmond WH Mortlake	2272 2941	21302 12331	19	10 5	1	6	-	-	1	-		-			-	1	4
41:1	Bromley (pt. of) * HH Chishrst(pt.of) * WHH	15689 14307	81142 15844	29 18	7 5	1 ~	2 4	~	-	-	-	-	-	-	1 -	1 -	2	meter. B.
42:1	Bexley H Dartford (Ww, pts. of)*	18437	24184	17	12	2	4 -	-	-	-	-	1 -	1 -	-	-	1 -	-	4
124: 1	Sunbury w Staines W	11055 18277	11685 12089	6	2 12	3	5	-	-	-	-	1	-		-	2	4	-
125:1	Hillingdon WHH Uxbridge	6029 61 <b>7</b> 8	10802 3225	8	8 -	-	-	-	-	-	-	-	-	-	-	-	2 -	
1261 1	Hayes wHL Isleworth WHH -	7008	11528 22727	6	2	-	2 -	-	-	-	2	-	~	-	-	-	4	4
2 8 4	Twickenham H Brentford HL Chiswick	2477 4345 1340	12479 27649 15975	7 15 11	4 8 8	1 1 1	8	-	-	-	3	2 -	-		-	-		And Inches
5 127:1	Acton wH	6088	22876 12796	18	12 4	4	6	-	1	-	-		-			-	-	- Patracido
2	Edgware H   Willesden	6994 4383	3749 27453	2 40	2 15	5	2 3	-	-	-	-	-		1	-	1		1
187:1	Hendon W	8382 9331	10484 6621	5 8	4	1 -	1	-	-	-	-	-	-	-	-	-,	1 -	1
128:1	Watford (W, pt. of) - South Mimms	15599	6391	- 9	- 1	-	-	-	-	-	-	-	-	-	-	-	-	4
<b>3</b>	Barnet Finehley HL	5438 4688	10092 17615	4	3 6	2	2	-	-	-	-	-	-		-	-	1 2	
185:1 129:1	Hatfield (part of) * - Hornsey H	<b>33</b> 06 3039	583 37078	30	- 15	4	- 8	-	-	-	1	-	-		-	-		
3	Tottenham H Edmonton Ww \$	4642 7483	46456 23463	54 16	82 18	9	7	-	-	-	2 -	4 -	-	-	1 -	2 1	<b>8</b> 5	1
4 δ	Enfield WH Waltham Abbey - Cheshunt -	12658 11017 8490	19104 5368	20 3	5 2	1	2	-	-	-	-	-	-	-	-	-	-	7
186:1	Stratford -	882 7351	7785 38 <b>60</b> 6 101058	23	14	3	1	-	-	-		3	-	-	-	-	-	1
3 4	West Ham wwwwH§  Leyton WwL  Waithamstow H -	4372 6520	32430 28869	111 36 36	60 30 21	24 5 5	11 17 7	-	1 2	-		2 -	1	-	2 - 1	1	9	1
187:1	Chigwell (part of) * H Epping (W, pt. of)*	11761	9669	9	2	-	-			-	-		-	-	-	-	-	To from
189:1	Romford (part of) * W	6730 8493	8411 7645	3 <b>5</b>	1 3	-	1	-	-		-	-	-		-	-	- 1	
3	Barking Town	4127	9208	4	2	-	1	-	-	-	-	-	-	-	-	-	-	1

<sup>•</sup> The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:—
30: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37: 1, the parishes of Warlingham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1983); 41: 1, Bromley sub-district, except the parishs of Cadham and Knockholt (pop. 1918); 41: 2, Chislenurst sub-district, except the parish of Chelsfield (pop. 947); 135: 1, the parish of Northaw in Hattleld sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189: 1, the pariso of Dagenuam in Eomford sub-district Warbhayes belowing the the Catham and Canada and C also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187: 2, Watford, and 187: 1, Epping, aub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

† Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistow (see Table 5).

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 21st December, 1889.

	Area			L RATE			The Da	ATHS	regi	stered	l in t	he W	eek	inolud	le	
GREATER	in Acres, including	Estimated Population,		O living.	DEATHS from	Deat	hs of			1	Death	s fro	m			Publio
LONDON.	tidal water and foreshore.	middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fover.	Diarrhoes.	Violence.	eaths in Pu Institution
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.		13.	11.	15	16
REATER LONDON	448,334	5,642,015	20.7	2.0	2241	457	666	-	45	26	34	79	17	14	78	471
INNER LONDON - OUTER RING -	77,410 870,924	4,351,738 1,290,277	21·8 17·2	2°0 1°8	1816 425	364	529 137	-	35 10	22	27	60 19	13	13	69	<b>419 52</b>

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal o 700°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 30 FOREIGN CITIES, having an estimated Aggregate Population of 16,681,747 Persons.

	POPULATION	D			ANNUAL	Di	SATHS	FROM	PRIN	ES.	ZYMO	
CITIMS.	(enumerated or estimated).	DATE OF RETUEN. Week ending	BIRTHS.	DEATHS.	DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
ALCUTTA	433,219	November 2	_	238	28.6	1	_	_		1	73	46+
SOMBAY	773,196	" 19	355	420	24.0		_	2	2 ^	2	124	461
AADRAS	398,777	, 1	306	294	38*2	-	6	_	_	-	99	60
ARIS	3.260,945	December 14	1083	1188	27.3		17	2	20*	13	51	52
th 8 Faubourgs.)	471,606	, 14	268	184	20.3	-	-	1	_	6	4	16
MSTERDAM -	403,083	14	281	164								
COTTERDAM -	197,723	, 14	137	83	21.4	-	1	-	4	-	~	-
HE HAGUE .	153,440	, 14	86	63	21.7	-	-		1	-	_	1
OPENHAGES -	307,000	7.4	197	132							-	; =
TOCKHOLM -	228.218		160	80	22·4 18·2	-	1	2	5	3	-	1
HRISTIANIA -	138,300	,, 14	76	66	24.8	_	4	5 1	4* 5	1 3	- 1	6
r. Petersburg	842,883	November 30	_	733	45.4	1	16	15	12	3	17	47
BRLIN	1,489,672	,, 30	898	587	20.0		3	5	35	8		
LAMBURG(State)	575,276	December 7	413	218	19.8		~		12*	7	15	27
BESDEN	264,196	,, 7	150	87	17.1			1	8*	9	2	14
SRESLAU	315,000	,, 14	188	171	28.2	-		1	10*		1	8
IUNICH	281,000	. 7	201	123	22.8	_	2	1	9*	4		9
TENNA	811,434	7	482	369	23.6	2	9	1	9	-	-1	15
RAGUE -	304,356	" 7		149	25.5	2	5	6	7	2	1	3
SUDA-PESTH -	452,907	. 7	330	241	27.7		1	3	12	1	14	18
EIESTE	158,084	7	-	79	26.0	-	-	-	3*	- 1	2	4
LOME	407,936	October 12	247	182	23.3	-	1	1	4	- 1	20±	24
URIN (10 days)-	306,398	November 20	226	190	22.6	-	4	_	4	- 1	7	22
BNICE	154,369	December 7	84	119	40.2	24	-	-	1	-	- 1	15
AIRO	374,838	November 28	370	359	50.0	1	-	-	4*	4	18	119
LEXANDRIA -	231,396	" 28	<b>2</b> 19	167	37.7	4	- 1	-	2*	1	. 6	41
INW YORK -	1,571,300	,, 30	-	566	18.8	-	3	8	17	6	8	15
ROOKTAR .	834,607	,, 30	-	292	18.1	-	-	1	23	3	8	1
'HILADBLPHIA -	1,040,245	,, 30		360	18.1	-	-	9	16	-	7	2
ALTIMORE -	500,343	30		152	15'9	-	-	1	6	1	5	1
										-	1	

Including deaths from croup.
 Including 9 deaths from cholera in Calcutta, and 5 in Bombay.
 Including 15 deaths from malarial faver.

ending Saturday, DECEMBER 21ST, 1889. TABLE 9. - METEOROLOGICAL OBSERVATIONS taken at the ROXAL OBSERVATORY, GREENWICH, during the Week. Under the Superintendence of the Astronomer Royal.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show to be understood as applying to the All day, or from midnight to midnight.

The reading of the burometer increased from 30°18 in. at the beginning of the week to 80°20 in.

The reading of the burometer forcessed to 30°04 in. by 3h. P.M. on the 18th; increased to 80°17 in.

The read of the 18th; decreased to 30°04 in. by 3h. P.M. on the 18th; increased to 80°16 in. positive; N. negative; w. weak; m. moderate; s. strong; and 0.0 1.5 The average temperature of the air is that derived from a discussion of the photographic The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Gattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the of the dry bulb thermometer is combined the corrected mean of the readings of the maximum forming the mean daily value of temperature of the air records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875. temperature and degree of humidity are deduced The height of the cistern of the barometer is 159 feet above the mean level of the sea; converted into mean daily values by the application of corrections deduced from a discuss, of the photographic records made during the twenty years ending 1873 for the barometer, a during the twenty years ending 1868 for the thermometers. With the corrected mean result eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer. In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," has the average. Corporation of London. The condition of London Library self-registering Electrometer. The record of Electricity is derived from Thomson's self-registering Electrometer. Symbols employed are: --P. positive; N. negative; w. weak; m. modernte; s. strong symbols employed are:--P. positive; N. negative; w. weak; m. modernte; s. strong Sum 0.33 26 of 16 Years. Sum + 11 Average -126 12 Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. forizontal of the Air Sum 2175 125 correction has been applied to the readings to reduce to sea level Wind as deduced from Anemometers. Mean of 24 hourly obs. The results of all the meteorological observations are Pressure on the Square Foot. 0.0 0.0 22 from the mean daily values of the dry and wet by 9h. r. M. on the 16th; decreased to 30°04 in. by 9h. A.M. on the 19th; decreased to 20°45 in est. 21 (column 8). The mean daily dew point civil day, or from midnight to midnight. SW. & SSW. SW. & SSW. WSW. & SW SKW. & N. WSW. & SSW. W. & SW. SW. 20 P.M. General Direction. SW. and minimum thermometers, their readings are registered SW. &WSW. SW. & WSW. SW. & SSW. SSW. & SW N. & SW. SSW. 19 A.M. 42.0 40.5 39.5 of the Thumes at Deptford. est. TEMPERATURE. 0.7 1.7 est. Lowest on the Grass. 88.8 0.08 30.1 Of Radiation. fog between 72h. h little cloud till High-est in Sun's Rays. 23.0 40.0 8.67 0.09 26.4 8.89 fog; gloomy Overcast with frequent rain till afternoon; 14 94 ₹6 93 92 Variable in early morning; overcast with occasional slight rain from afternoon 97 Overcast; slight rain in early merning. GENERAL REMARKS. evening; generally overcast at night. Difference between the Air Temperature and Dew Point Temperature. slight Cloudless in morning, with dense 13 Overcast; frequent slight rain. 67 6.5 with 9.1 Mean daily 6.17 Of the Dew Point. 3.5 parture 2.8 + + LEMPERATURE. Registered Sun above Sunshine, Horizon, in hours. in hours. 43.5 48.1 4.07 2.2 Sum 51.1 38.8 2.09 12.3 2.6 0.0 0.0 0.0 85.0 33.5 2.98 38.1 \$3.4 -MOF est. 17.3 m. P. generally, with s. N. between 6h. P.M. and 7h. P.M. 8.25 12.1 P. in morning; afterwards. 0 (For explanation of n morning; w. P. in morn s. P. throughout 30.276 30.061 29.247 30.011 in. 30.268 g-nerally In-ulation of the E C 12 DECEMBER. MONTH AND No. of Col. DECEMBER. WEDNESDAY 1889. DATE. MEANS THURS. WED. FRIDAY TUES. SUN. SAT. FRI.

### OFFICIAL COPY.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

AND IN

#### TWENTY-SEVEN OTHER GREAT TOWNS.

# By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 52. 1889. Vol. L.]

WEEK ENDING SATURDAY, DECEMBER 28.

Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, 30th December, 1889.

# TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21.9 per 1000 of their aggregate population, which is estimated at \*9,555,406 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

Towns.	Weeks ending	1 4/2 1 1 1 6	Weeks ending
	Dec. Dec. Dec. Dec. 7. 14. 21. 28.	Towns.	Dec. Dec. Dec. Dec. 7. 14. 21. 28.
Birkenhead	14.2 23.9 14.8 20.4	Liverpool	23.0 25.4 27.6 26.7
Birmingham	18.9 19.2 26.3 20.4		20.2 21.2 21.8 20.3
Blackburn -	25.0 32.3 33.6 31.4		27 · 3   31 · 1   32 · 1   26 · 6
Bolton -	19.1 30.0 33.2 21.8	Newcastle-on-Tyne*	22.4 28.2 27.6 26.6
Bradford* -	24 • 2   27 • 1   23 • 3   19 • 3	Norwich	23.2 17.1 24.8 11.6
	16.7 18.0 14.1 20.1		17.3 20.4 18.9 16.9
	19.8 20.5 23.4 21.4		19.1 31.9 24.9 22.7
	25.5 24.5 21.8 19.0		36.7 34.7 27.4 28.7
Derby -	30.7 18.0 28.1 26.0		19.2 25.9 22.5 25.1
	24.5 30.2 22.5 23.2		26.5 26.0 26.5 27.0
Huddersfield	29.8 25.3 20.8 18.5		21.6 22.0 21.4 24.5
Hull	26.8 23.8 25.1 25.3		21 · 2   23 · 1   24 · 6   21 · 5
Leeds -	25.4 27.0 24.8 25.8	Sunderland -	21.8 28.8 21.8 24.1
Leicester* -	18.0 19.4 17.0 19.4		28 · 4   20 · 2   30 · 3   25 · 3

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.3 in Bristol; from scarlet fever, 1.3 in Salford, 1.5 in Preston, and 2.7 in Plymouth; from whooping-cough, 1.1 in Derby, 1.2 in Liverpool, 1.3 in Halifax and in Blackburn, 1.8 in Leeds and in Portsmouth, 2.0 in Bristol, and 2.5 in Wolverhampton; and from "fever," 1.3 in Plymouth and in Halifax. The 52 deaths from diphtheria in the twenty-eight towns included 26 in London, 6 in Manchester, 6 in Salford, 4 in Hull, 2 in Liverpool, and 2 in Plymouth. death from small-pox was registered in any of the twenty-eight great towns.

### LONDON.

In London 1815 BIRTHS and 1690 DEATHS were registered. Allowing for increase of population, the births were 587, and the deaths 246, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had increased in the five preceding weeks from 16.5 to 21.8, declined again last week to 20.3. During the thirteen weeks ending on Saturday last\*the death-rate averaged 17.8 per 1000, and was 2.7 below the mean rate in the corresponding periods of the ten years 1879-88.

The 1690 deaths included 29 from measles, 14 from scarlet fever, 26 from diphtheria, 67 from whooping-cough, 2 from typhus, 13 from enteric fever, 19 from

<sup>\*</sup> The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of Nowcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford and Bradford are under-otated, and those for Nowcastle-upon-Tyne and Cardiff over-stated.

diarrhoea and dysentery, and not one from small-pox, ill-defined forms of continued fever, or cholera; thus, 170 deaths were referred to these diseases, being 84 below

the corrected average weekly number.

No death from small-pox was registered, the corrected average being 10; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and only 2 in the Highgate Small-pox Hospital. The death of an infant, aged 9 months, in Islington, was attributed to chicken-pox. The fatal cases of measles, which had been 41, 30, and 35 in the three preceding weeks, declined last week to 29, and were 46 below the corrected average; 4 belonged to Chelsea, 3 to Bethnal Green, 4 to Whitechapel, 3 to St. George-in-the-East, and 3 to Stepney sanitary areas. The deaths from scarlet fever, which had been 12 and 22 in the two previous weeks, declined again last week to 14, and were 29 below the corrected average; 2 belonged to Islington, 2 to St. Luke, and 2 to Camberwell sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1609 scarlet fever patients at the end of last week, against 1667 and 1594 on the two preceding Saturdays; 103 cases were admitted to these hospitals during the week, against 154, 144, and 115 in the three preceding weeks. The deaths from diphtheria, which had been 47, 35, and 27 in the three previous weeks, further declined last week to 26, but exceeded the corrected average by 6; 2 belonged to Kensington, 2 to Marylebone, 2 to Islington, 3 to Shoreditch, 2 to Bethnal Green, 2 to Bermondsey, and 3 to Battersea sanitary areas. The deaths attributed to diarrhæa and dysentery, which had been 14 and 13 in the two previous weeks, rose last week to 19, and exceeded the corrected average by 4; 12 were of infants aged under one year, and 4 of persons aged upwards of 60 years.

The deaths referred to enteric fever, which had been 8, 15, and 12 in the three preceding weeks, were last week 13, and were 4 below the corrected average; 2 belonged to Bethnal Green and 2 to Lambeth sanitary areas. The 2 fatal cases of typhus were recorded in the South-Eastern Fever Hospital at Deptford; they were of a labourer, aged 55 years, and of the wife of a labourer, aged 52 years, both of whom were admitted to the hospital from 29, Vauban Street, Bermondsey, making three deaths from this disease within a fortnight of patients admitted from the same house. The Metropolitan Asylum Hospitals contained 120 cases of enteric fever and 8 of typhus on Saturday last; 15 cases of enteric fever were

admitted during the week, against 16 and 15 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 552 and 518 in the two preceding weeks, further declined last week to 467, and were

65 below the corrected average.

Different forms of violence caused 47 deaths, concerning all but one of which inquests were held. Of these 47 deaths, 4 were cases of suicide and one of murder or manslaughter, while the remaining 42 were attributed to accident or negligence. Five of these were caused by vehicles in the streets, 6 by burns or scalds, 2 by drowning, and 13 (including 11 of infants aged under one year) by suffocation.

# GREATER LONDON.

In Greater London 2351 births and 2105 deaths were registered, corresponding to annual rates of 21.7 and 19.5 per 1000 of the estimated population. Outer Ring 14 deaths from diphtheria, 14 from whooping-cough, 9 from diarrhea, 5 from scarlet fever, and 5 from measles were registered. The fatal cases of diphtheria included 4 in Croydon, 2 in Brentford, and 2 in West Ham sub-districts; and of the 14 deaths from whooping-cough, 3 occurred in Croydon and 2 in West Ham sub-districts. Two deaths were referred to "fever" in West Ham sub-district.

### METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30·00 ins.; the lowest reading was 29·39 ins. on Sunday morning, and the highest 30·41 ins. on Thursday morning. The mean temperature of the air was 39·8, and 0·7 above the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Sunday, Monday, and Tuesday, but was below the average on each of the other days of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 11·2 miles per hour, which was 1·4 miles below the average in the corresponding weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0·61 of an inch. The duration of registered bright sunshine in the week was 3.2 hours, against 10.6 hours at Glynde Place, Lewes.

. See note on first page of this Return.

7			-					_	-				_										_							_			
		CITIES AND BOROUGES,		Cols.	- 28 TOWNS.	Lownow	BRIGHTON.	PORTSMOUTH.	NORWICH.	REISTOI	WOLVERHAMPTON	Brourage	LRICKSTEP	ROTTINGHAM.	DERBY.	BIRKENHRAD.	LIVERPOOL.	ROLTON.	MANCHESTER.	SALFORD.	OLDHAM.	DEFACEBURE.	HUDDERSPIRED.	HALIPAX.	BRADFORD.	LEEDS.	HHEFEIRED.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	The second second	GIARGOW.	DUBLIK.
RATMONIA	rath.	Centi-		24.	1.27	1.55	6.0	1	3.04	1.70	0.58		1	98.0	,		1.27	1	,		•	1 1	,	1	1.12	1	0.00	3 1	12.0	1	1.10	98.0	1.24
RATA		тореве	ıı uj	23.	0.20	19.0	0.37	1	1.51	19.0	0.53	•	1	0.34	ı	1	0.20	1			1	1	•	1	0.44	ı	. 00.0	3 1	0.58		0.47		
E AIR.	Mean	grade.	Centi	22.	2.06	.33	92.9	ŧ	00.8	2.67	4.72		1	4.72	1	1	2.12	1	,	1		, ,	1	1	29.9	1	3.04	1 6	83	1	4.00	7 70.7	7.33
E OF TH	M	-tiedne	Pahre	21.	41.1	8.68	45.0	. 1	44.4	42.5	40.2	,	ı	40.5	8	1	41.3	1	1	1		1	1	1	42.5	8	- 08		38.9		6.09		
TEMPERATURE OF THE AIR.		Lowest	Fahrenheit.	20.	24.0	25.3	80.3	1	80.0	0.08	2.87		1	0.73	1	9	8.97	1			1		1	1	32.2	1	0.86		30.0	1	1 0.40	_	
TREEP		Highes	Fahre	19.	53.5	52.5	0.19	1	58.6	20.2	2.09	1	1	53.5	1	,	20.1			1	1	1 1	1	,	0.19	ı	6,0.02	-	8.0.8	1	6 6.07		67.0
Rate 000,	he	mon ni 8988 .21-9	Fr Diac Cola	18.	5.0	2.0	1.1	2 6	0.9	8.5	20.2	4.3	0.3	0.2	1.1	0.0		6.0	1.8	4.0	6.6	0.7	0.0	62		2.7			9.1	6.0	A.K.	_	1.6
Annual Rate per 1000,	Week's Deaths	.assus	30	17.	6.12	20.8	20.1	11.6	2.86	4.18	25.3	20.4	7.61	6.91	0.93	₹.02	2.93	8.12	9.97	24.2			18.5	23.5	_	22.8			9.97	0.61	0.76		24.0
	dia.	editreen of to see	Uau	16.	26	15	47	1 67	-	67		4	1	67	1	-	25	1		67 6		-	_	67	_	41 0		Т	1 2	-	9 18		67
	- 9	Deatha in Public moitutita	u <sub>I</sub>	16.	710	400	12	D 00	67	17	1-	30	9	2	63	4	£3 c	9	45	17	0 00	10	ı	9	00	15 21	200	6	9	ಣ	-	54	
	*80	saaU dasu	buj	14.	280	121	-	e	63	9	4	23	0	9	1	es ;	16	•	13	10 K	4	1 00	Н	49	00	13°	2 4	10	10	10			1
elude	1	.30110]	Vio	13.	139	47			1	23	4	14	*	4	1	-	130	23	00	<b>₹</b> 1	07	61	1	တ	20	000	1 4	-	4	4	-	6	63
The DEATHS registered in the Week include		trhœs.	Dia	12.	33	19	1 1	1	1	67	1	-	-	-	1	8	63	•	01	6.3 1	1	1	1	1	-	1 1	4	1	7	-	-	1 73	-
the W		.194	-	=	34	15	- 1	-	97	1	1	1	1	-	1	1 -	- 1	-	-	n 1	8	1	1	27	1 1	٦,	( 1	63	-		-	9	9
ered in	Deaths from	-gniqoon	MP	9	140	49	e3 7	9 1	~	0	4	10	1	-	64	1	14	4	-		4 00		1	63	63	77 8	000	t	-	1	00	L	00
regist	Deat	.airadado		6	52	26	7 -	٠ ا	60	-	1	1	1	1	1	-	<b>c</b> 3	1	9	9		1	1	•	1 1		4 4	1	1	1	1-4	10	ı
EATES		triet 'ever.		80	22	14	1 1	-	4	-	1	*	1	41	1	1 (	G	-	63	- 0	-	93	1	-	1 0	20 4			1	1	1	-	1
The D	-	sales.	Me		57	29	8 (	1	1	-		11	1	6.3	1				4	1 (	1	1		1	-	- 9	1	6.3	6.2	1	12	13	-
	]	upwards.	-	6	6.5	-	1 1		-	-	1	8		1	-	1	-		1	1	-		1	1	1	9 1	1	1	1	_	1		1
	0	sons aged	)9	0	107	487	15	3 10	10	28	12	40	10	21	12	12	3 5	1	500	24	20	16	0	oo	83 8	30 00	28	13	24	8	28	63	41
	De	nts under Year of Age.		4	803	326	10	9	13	17	12	24	21	19	2	13	19°	0	33	10	20	15	6	4	16	06	16	16	16	6	26	47	27
during	. 1889.	DEATES.		20	4007	1690	74	22	43	94	40	178	26	22	67	40	310	OF	198	9110	73	24	60 0	90	144	135	101	62	82	41	123	296	166
Registered during	the week ending 28th Dec., 1889.	BIRTHS, 1		01	4248	1815	200	4 4	32	81	44	7357	99	109	25	09	187	00	192	6 6	78	70	22 2	Go d	20 00	181	06	75	110	228	125	355	134
	Z	to the middle of the Year 1889.		1:	9,555,406	4,351,738	121,807	94,510	78,225	229,361	82,544	454,835	150,520	287,812	58,529	102,541	114 670	DIO(ETT	878,800	142,405	121,275	104,194	92,825	02,020	235,056	827,227	208,017	184,198	160,983	112,712	266,900	528,144	358,082
			-	Cols.	•	٠	•		٠	•	NOI	•	•		•	• (			• 1	•		•					•	•	•			•	-
	CITIES	AND BORUTGHS.			28 TOWNS.	LONDON -	BRIGHTON .	NORWICH .	PLYMOUTH .	BRISTOL .	WOLVEBHAMPION	BIRMINGHAM	LEICESTER	Northeham	DERBY	LIRKENHEAD	ROLLTON .		MANCHESTER	OLDHAM .	BLACKBURN -	PRESTON .	HALIPAX	The space of	LERDS	SHEFFIELD .	HULL .	SUNDERLAND	NEWCASTLE.	CARDIES	EDINBURGH .		DUBLIN .

Table 2. LONDON .- Births and Deaths Registered in the FIFTY-SECOND Week of each of the Eleven Years, 1879-89.

	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	Corrected Weekly Average in 10 Years 1879-88.*	1889
Total Births  Males Females .	1749	2519	2386	2131	1847	1832	2996	2363	2326	1876	2402·3	1815
	918	1294	1198	1080	945	941	1508	1206	1175	974	1225·6	927
	831	12 <b>2</b> 5	1188	1051	902	891	1488	1162	1151	902	1176·7	888
Total Deaths  Males Females .	1878	1648	2079	1719	1503	1430	2071	1899	1882	1641	1935·6	1690
	935	841	1013	838	772	700	957	965	932	846	959·5	869
	943	807	1066	881	731	730	1114	<b>934</b>	950	795	976·1	821

The numbers in this column are the average weekly numbers in the fifty-second weeks of the ten years 1879-88, raised by 9°046 per cent. for increase of population.

LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE	3. LONDON.—BI	KIHO,	DEA	1110, 0	1111	LETEC	ACOHO!	U A AAA	0110 3	3400	LHIKI			
		Oct. 5.	Oct. 12.	Oct. 19.	Oct. 26.	Nov.	Nov. 9.	Nov. 16.	Nov. 23.	Nov. 30.	Dec. 7.	Dec. 14.	Dec. 21.	Dec. 28.
TOTAL	Births	2364	2595	2518	2580	2623	2658	2522	2517	2321	2270	2535	2513	1815
TOTAL	Deaths	1381	1321	1410	1310	1317	1350	1451	1375	1448	1683	1768	1816	1690
Ages at Death	0-20 years - 1 20-40 ,, - 40-60 ,, - 60-80 ,, at 80 years & upwds.	630 201 230 261 59	581 187 227 263 63	590 209 274 272 65	562 163 250 283 52	599 200 209 253 56	606 181 245 265 53	667 188 254 265 77	660 176 259 222 55	647 184 266 292 59	713 196 294 392 88	719 227 312 418 92	723 216 348 424 105	651 220 332 396 91
99	Under 1 year 1-5 5-20	376 172 82	321 175 85	320 187 83	276 200 86	323 212 64	310 209 87	343 235 89	335 233 93	333 227 87	353 265 95	375 247 97	364 261 98	326 232 93
Deaths fi	mom Small-pox  Measles  Scarlet fever  Diphtheria  Whooping-cough  Typhus  Enteric fever  SimpleContafever  Diarrhæa and  Dysentery  Cholera  all the above- mentioned Diseases	9 20 45 14 - 19 2 52 1	13 15 35 14 1 16 - 28 -	23 25 41 26 1 11 2 22 -	17 27 37 22 1 21 1 15 -	22 20 31 21 19 - 17 -	1 20 23 23 24 - 11 - 17 1	33 24 38 37 1 20 - 16 -	33 17 30 31 - 22 2 17 -	18 19 33 44 - 15 1 12 -	12 181	30 12 35 49 - 15 - 14 -	35 22 27 60 1 12 - 13 -	29 14 26 67 2 13 - 19 -
	, Dis. of Respiratory System Phthisis - Dis. of Circulatory System Deaths - Cases - In Public Institutions	225 148 123 62 119 335	264 129 127 50 99 314	300 184 115 57 112 332	281 141 115 49 101 319	300 125 104 59 123 309	318 141 122 51 97 313	321 154 121 65 122 363	328 169 113 57 114 314	345 183 126 53 113 336	128	552 182 163 55 124 422	518 161 189 69 156 419	467 180 158 47 121 400
Mean Mean Mean	of Highest readings - of Lowest readings -	48·9 56·7 43·8	58·4 42·6	57.8	53.7	41.4	53.3	3 52.7	48.2	32.0	35.8		47·3 38·1	39·8 44·0 35·2
Rain-fa	ty of the Air	89	1		1	88			1					90 0.61 3.2

## METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield Esq., LLD., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingam; J. Hartuup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. Mclandsborough, Esq., R.G.S., F.R.Mel.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.B.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

Table 4. LONDON.—Deaths Registered at several groups of Ages from different Causes in the Fifty-second Week of the Year 1889.

					FIF	TY-	SEC	OND	We	eek of the Year 1889.			CHU	OA.	USE	2 11	i tii	e	
	r the		Sati	In thurday,	e We	Dog	ndin	g IOO	0		22		-	In 4	ho W	Tank	12		
	50	1 -	0,000	Deat	-				9.		s for the	-	Satur	rday,	28th	Dec	endir embe	r 188	9.
	Averages sks of the 1 1879-88.*	1-		2000	the z	Ages	оця (	1	Ш		es f		1	Death	s of	Pers	ons o	f	
CAUSES OF DEATH.	vers 3 of 1	1		Und	er	40.	60.	80.	pq	CAUSES OF DEATH.	Averages sks of the 1 1879-88.*		1			1 .	1 .	1 3	-
	eeks	AGES.		20.	1	under	under 60.	under	s and	CAUSES OF DEATH.	Av 2ks 1875		ı	Unde	er	under 40	er 60,	er 80.	and.
	reote				100	and w	and un	id ur	upwards.		Wee	AGES.					under	under	ara irda
•	Corrected A	ALL		1-5.	5-20,	20 ai	to at	pur . 9	an ap		Corrected 52nd Wee	ALL	0-1.	1-5.	5-20.	and	and	and	U Years
ALL CAUSES	1	1	1		1		,	1			0-	1 4	10	1	1 10	20	1 04	1 00	80
WEE 040250	1935.6	169	0 32	239	93	220	332	396	91	Diseases of Organs of			١.	! _		-			
Small- Vaccinated! -	) (	-	1	-	-	0-	-	-		Special Sense †}	5.1	2	1	1	-	-	-	-	
pox Unvaccinated No Statement	3.8			-   -	-	-	-	-	-	Diseases of Circulatory	144.7	158	2	1	9	18		24	
Measles	75.2	29		20	3	_	-	_	-	System}			1-	-		10	53	65	10
Scarlet Fever	43'1	14	1	11	3	-	-	-	-	Croup Bronchitis	18.3	14 280	53	12	2	-	-	-	- 1
Typhus Relapsing Fever †	0.2	2 -			-	-	2	-		Pneumonia	116.2	121	15	37 28	6	20	57 26	25	26
Influenza	0.5	-	-				-	-	-	Other Diseases of Respiratory System -	52.9	39	2	6		5	15	10	1
Whooping-cough Diphtheria	20.0	67	80		8	511	-	-	-			-						_	_
Simple Continued and	1.5		1-	-	0			-	-	Dentition † - Quinsy, Sore Throat † - Enteritis	12.9 2.6 7.0	15	10	5	-	-	-	-	-
Ill-defined Fever - } Enteric Fever	17.1	13	-	-	5	5	3		-	Peritonitis Diseases of Liver	8.7	6 9	2 -	-	ī	6 2	1 2	1	1
Cholera	0.5	-	-	-	-	-	-	-	-11	Other Diseases of Digestive System	33.7	18 32	3	1	4	5	9 4	5	1 3
Diarrhœa, Dysentery - Remittent Fevert	0'3	19	12	2		1	-	4	-   -							-	_ .		١
Hydrophobia	0.1	***	-	-	-	_				Diseases of Lymphatic System & of Ductless Glands † -	1.2	3	_	_	1		1	1	ш
Glanders Cowpox and Effects of ?	0.0	-	-	-	-	-	-	-	-   _	Glands †)				1					-1
Vaccination †} Venereal Affections -	0.	1	1	-	-	-	-	-	-	Diseases of Urinary	45.6	35		1	4	7	11	10	
Erysipelas	9.6	7	6	-	-	1	1	-	-   -	System}					*		11	10	2
Pyæmia and Septicæmia †	3.3	3	1	-	1	1	1	-	-11	Diseases of Generative	6.6	7		ĺ				,	
Puerperal Fever Other Zymotic Diseases †	6.4	5	1	-	-	5	-	-	-   _	Accidents of Childbirth	4.7	5	-	-	-	2 4	1	1	
		-				- -	-	-1-	-11	Diseases of Locomotive ?							-	-	-1
Worms and other Para-	1.7	2	2	-	-	-	-	-	-    _	System +}	7.9	3	-	-	1	-	2	-	-
sitical Diseases}	0.2	-	_	-	-	-	-	~	- []	Diseases of Integumen-	6.2	4							П
Starvation, Want of Breast-milk †}	1.4		2						-  -	tary System}		-	2		-	1	1		
Alcoholism	6.0	3 10	-	-				-	-	VIOTENT DE MEZZ		9							
		10	-		_	7	3 -	-1-	1	VIOLENT DEATHS.§ (ACCIDENT.)				į	ļ	1			ш
Rheumatic Fever. Rheumatism of Heart?	9'4	6	-	-	1	3	2		. 11	79	18.9	16	-	2	3	5	3 :	3 -	
Rheumatism †	2.3	1	-	-	_		- 1	1 .		Jut, Stab	0.4	1 6	-	- 1	-	-		-   -	
Gout Rickets†	3.7	6	-	~	-   -	-   :	_			Poison	9.1	1	2	-	- :	- 1 -		1 1	П
Cancer	51.0	67	-	2	2 9		0 31		- 11 3	Suffocation 2		3 1		1			1 -	-	
	24°1 25°3	15	9	2	1 8		.   .		71			-							
Phthisis 1		180	7		6 86	68	12		11	(Homicide.)									
Other Constitutional)		12	8		2 2		_			Murder & Manslaughter	0.9	1	-	-   -	- 1	-		-	
Diseases †	11'4	8	-	-		- 4	4	-	1	(SUICIDE.)									
Premature Birth	38.4	44	44		-			-	11 (	Junshot Wound	0.8	1	-			1	-	-	
Atelectasis t	3.0	8	8						I	Poison		î				1	1 -		
Congenital Malforma-	6.5	7	7	-				-	d	langing	0.7		-   -	-	1	-	=	-	
Old Age	34.9	72	-	-		-	37	85	11-		- -	- -	-	-	-		-	-	
	2.3	43	-		2	12	0.4	1-	1	(EXECUTION.)									
On- 1 .	9.8	12	2	1 :	_		-		II I	langing	0.0			-	-	-	-	-	
Other Diseases of Brain			34	6 -	-	-	1 -	-	11	TUED CAMORG !								-	
and Nervous System	4.6	90	8 1	16 8	3	8	36	5		THER CAUSES † 68	3.5 42	38	5 4	1	-	-	2	-	
* The numbers in this colu † As the ten years average	mn are th	he ave	erage	week	ly 134	ath	for	the t	TI TO	rs 1879-88, raised by 9°048 pe		-	1	1		-			
- The bon years average	could no	T TIA O	Demag	+					200	no acto-co, raised by 9 946 ne	r cent. fo	P Ina	PAGEG	0 t 410	1221-10	Acres .			

tole the Coroner to certify whether a violent death be the result of accident, murder, ar "accident or negligenes." 60198.-13.

Table 6. LONDON.—Population; Bieths; Deaths from all Causes, and from Small-pox, Measles, Scarlet during the Week ending

							_						_					CHA	_
								The :	DBAT					** 60	11161	M.C.O		_	
		Enume-			Denti	n of					Death	s from						olie	808
	REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-congb	Typhus.	Enterie (or Typhoid) Fever	Simple con-	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Publinstitutions.	Uncertified Causes of Death.
	LONDON - · ·	3,815,704	1815	1690	326	487	-	29	14	26	67	2	13	-	19	47	121	400	15
	West Districts - North Districts - Central Districts - East Districts - South Districts - Metropolitan Asylum Hospitals outside Resistration	669,633 905,947 282,238 692,738 1,265,148	242 429 106 353 685	287 346 119 400 587	46 64 28 80 113	108 102 30 82 165		5 4 5 14 1	1 7 2 4	4 7 2 4 8	12 11 2 20 22	2	3 2 1 3 4		6 - 2 5 6	3 9 7 13 15	15 27 14 33 32 -	87 76 30 118 88 1	1 1 1 - 12 -
Kei Bro	West Districts.  Mary Paddington WHH G.J. & W.M. John Paddington H - G.J.  with the control of t	7899	29 4 39 11 6	31 9 56 7 2	7 5 1 1	9 4 29 4 1	1111	1	1 1 1 1	1 -	3 1 - 5		1 - 1		2 -	11 11 11	3 - 4	6 4 28 -	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
St. Ful Che Che	Peter Hammersmith H W.M. & G.J. Paul Hammersmith H W.M. & G.J. Paul Hammersmith H W.M. & G.J. Paul Hammersmith H W.M. & G.J. Paul Hammersmith H W.M. & G.J. Paul Hammersmith H W.M. & G.J. & G.J. & Fair WW - G.J.	64340 42900 30396 24925 32807	35 38 8 15 11 4 20	34 23 24 22 6 12 22	10 3 7 1 2 1 2	7 9 6 9 2 4 12	11 111 11	3 1	1	1 1	1 - 1	1 1 1 1 1		1 1 1 1 1	1	1 1 1 1 1	1 - 2 1	8 2 14 - 8 7	1 1 1 1 1 1
St. St. St.	grave WHHH- John Westminster HHH - C. Margaret Westminster H - C. James Westminster WHH N.R.&G.J Anne Soho HHHHHHH - N.R.	85496 24679 29941 16608	11 6 5 5	14 8 10 7	2 1 1 2	5 3 2 2 2 3	1111				2		1		1 -	111111	2	6 3 -	1
Car Re St. Ch St.	Souls Marylebone HHHHHH · W. M. wendish Square HHHHH · W. M. story Marylebone WH G.J. & W. M. Mary Marylebone HHH G.J. & W. M. vistchurch Marylebone H · W. M. W. M. Marylebone H · W. M. M. M. R. & W. M. M. M. M. R. & W. M. M. M. R. & W. M. M. M. R. & W. M. M. M. R. & W. M. M. M. R. & W. M. M. M. R. & W. M. M. M. R. & W. M. M. M. R. & W. M. M. M. R. & W. M. M. M. R. & W. M. M. M. R. & W. M. M. M. R. & W. M. M. M. R. & W. M. M. M. R. & W. M. M. M. R. & W. M. M. M. R. & W. M. M. M. M. R. & W. M. M. M. M. R. & W. M. M. M. M. M. M. M. M. M. M. M. M. M.	24809 1. 21118 38700 33638 1 45452	2 6 26 16 13 19 15	2 6 14 8 9 15	1 6 2 2 2 3	1 4 8 2 1 4	11111	1	2	2	1	111111	1 -		11111	1	1 1 2	2 1 2 - 5	11111
Re To Gr 80 Cs Ke	gent's Park Paneras HW.M. tenham-court wHHHHN N.k.W.M. ay's Inn Lane HHH N.R mers Town H N.R miden Town WH N.R mitish Town W.R N.R mitish Town W.R N.R N.R N.R N.R N.R N.R N.R N.R N.R N	39115 27729 30247 34369 17811 87487	16 8 15 9 36 40	14 17 8 9 23 37 36	4 -3 1 6 5	2 5 1 5 5 15	111111	1	1	2	1 2 - 1	11111		111111	11 1111	1 1 -	3 1 2 1 2 2 3	6 4 7 3 15	1
Isi Isi H St St W H	ington South-west HH - N.R ington South-west - N.R ington South-west - N.R ington South-west - N.R ington South-west - N.R ington South-west - N.R ington Health - N.R ington Health - E.L. k.N. ington Health - E.L. ington Health - E.L. ington Health - E.L. ington Health - E.L. ington Health - E.L. ington Health - Heal	61895 52048 22781 9277 87610 R. 76911	9 6 14 45 23	29 19 5 6 15 42	7 2 1 1 2	10 4 1 3 2	-	2	1 2 -	- 2	-	111111	111111	11111		1 - 3 1	1 1 3 1	1 - 2 20 -	111111
81 81 81 81 81 81 81 81 81 81 81 81 81 8	CENTRAL DISTRICTS. George Bloomsbury - N.I. Giles South WH N.I. Giles North N.I. Martin-in-the-Fields HH N.R. & C. Mary-le-Strand H N.I.	R. 16681 14864 1. 1887 C. 17509 R. 7518 R. 8550	3	377 5		1		1	1111111	1111111111	1	-	1	-		111	81		11111111
8888AP	trand Union Workhouse, Edmonton w. t. Geog-the-Martry HIHHHHHH N. Andrew Eastern W - N. Affron Hill H - N. T. James Clerkenweil - N. T. James Clerkenweil - N. T. James Clerkenweil - N. T. James Clerkenweil - N. T. James Clerkenweil - N. T. James Clerkenweil - N. T. James Clerkenweil - N. T. J. J. J. J. J. J. J. J. J. J. J. J. J.	R. 18671 R. 10706 R. 6534 R. 17510 R. 1928 R. 14773 R. 1154 R. 1154	1 11 1 3 3 3 9 1 2 3 8 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 6 4 7 7 5	1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2	2							1	1	1	-	111111
H	Valideross-street	R. 921 R. 746 V. 1117 R. 719 R. 839 R. 839	8 2 4 2 3 1 8 6		5	1	2 - 4 2 2				1					5		13	

Note - The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Work house; H—Hospital; L—Lunatic Asylum; w—A Workhouse Establishment receiving inmates from other Districts than that in which it stance see note at the foot of next page. The koman capitals signify the Water, Companies which supply the different sub-districts:—G.J. signified drand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vaurhall; L. Lambeth; N. B. New River; E.L., East London and K., the Kent Company.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHORA, VIOLENCE, &c., registered in each Sub-district

urday, the 28th December, 188	9.		. ,									or Cu						
					=		The	DEA	THE	rogist	ered i	n the	Wee	k ine	lude			
	Enume-			Deat	ths of	1_			1	Death	s from	n				1		
REGISTRATION SUB-DISTRICTS.	Population, 1881.	Total BIRTHS.	Total DEATER.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or Typhoid) Fever.	Simple con-	Diarrhea.	Violence,	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS.  Leonard Shoreditch HL* - N.R. & E.L. Leonard Shoreditch HL* - N.R. Atton New Town w - N.R. Atton Old Town N.R. Regerston WH N.R. & E.L.	7376 14967 29937 28036 46275	3 8 11 14 27	2 7 22 6 22	1 6 2 7	2 8 2 6	11111	1111		ī ī	1 - 2	11111	11111	11111	1 1 -	1111	11111	3 9 - 8	11111
thnal Green North $H$ $E_{\iota}L_{\iota}$ thnal Green South $E_{\iota}L_{\iota}$ thnal Green East $WHL^*$ - $E_{\iota}L_{\iota}$	51157 34899 41405	29 13 15	31 35 34	9 8 3	2 15	-	2 1 -	111	1	8 2 -	111	1	111	111	1 -	8 1	19	1
taitelds E.L. & N.R. le End New Town # - E.L. titechapel Church # E.L. & N.R. odman's Fields E.L. N.R. & E.L.	22585 15473 17490 9713 6102	11 14 10 7 3	12 14 37 1 4	3 3 - 1	2 2	1111	1 2 1 -	11111	- 1	2		11,111	11111	1	- 8. -	3 1 11 -	5 82	1111
George's, North E.L. John, St. George East W - E.L.	88747 8410	15 5	15 11	3 1	8	=	8	-	-	-	-	-	-	-	-	1	9	-
adwel! H E.L. N.R. teliff E.L. nehouse E.L.	10895 16107 32041	4 5 22	7 15 17	2 1 3	4	-	1 2	1	1 1 1	1	-	-	1 1 1	1	1	1	- -	-
le End Old Town West H - E.L. le End Old Town East WwwH- E.L.	87960 67653	21 35 23	16 32 9	3 6	7	-	ī	ī	-	1	-	-	-	ĩ	-	1	4	
w L* E.L. omicy wwwH E.L. plar WWH E.L.	87074 64859 55077	35 23	44 27	1 7 6	10 3		-	-		1:	- 1	1			3	5 4	20 20 2	-
SOUTH DISTRICTS.  Tristchurch Southwark WH L. & S. Saviour Southwark - S.  Thistroad S. & L.  Trough-road WH - S. & L.  Trough-road WH - L. & S.  Inity Newington - S. & L.  Feter Walworth W - S. & L.  Mary Newington - L. & S.	13663 14999 21381 15953 21318 26672 59555 21623	3 5 8 5 10 14 31 18	7 5 3 3 5 6 21 7	- - 2 - 1 6 2	22 - 22 25 1	1111111	1111111	1 - 1 - 1 - 1	LIGITIO		1111111	1111111	1111111	1111111	2	1 2 2	1	
Olave WH S. & L.  Ather Market S. & L.  Mary Magdalen W - S.  James Bermondsey - S.  therhithe WH 8. & K.	21956 16300 15669 54682 36024	7 9 6 24 17	17 11 3 21 13	2 3 1 7 2	7 3 2 6 6			11,111	2	11111	-1111		11111	11111	1 1 -	3 2 1 8 -	12 - 6	1
aterloo-road lst       H -       L, & S,         aterloo-road 2nd H -       L, & S,         mbeth Church 1st       H -       L, & S,         mbeth Church 2nd       WW -       L, & S,         nnington 1st       -       -       S, & L,         nnington 2nd       -       -       S, & L,         ixton       ww       -       L, & S,         xwood       W,       -       L,	15195 16351 19876 39859 45232 35832 62837 19017	9 13 11 17 17 16 25 10	10 20 16 15 19 26 11	1 2 2 5 2 7 1	2 1 6 9 1 9 3	11111111	1		2 - 1 - 1 - 1	1 1 2	1111111	111		1	1	2 1 2 - 1	11 4	1 2 -
st Battersea	54675 52587 36880 28004 13235 25553	34 39 14 24 4 15	14 32 10 15 8 7	4 5 2 1 3 2	3 6 4 5 - 3	111111	111111	111111	1	1 1 - 2 -	11111	1	111111	1	111111	1 1 1	5 1 4 -	111116
alwich - L. & S. mberwell $WwL^*L^*$ - S. & L. ekham $W$ S. L., & K. George Camberwell - L. & S.	5590 59104 71089 50810	2 33 43 32	28 28 28 24	2 4 6	16 8 7				1	1 2 4	1111	111	1111	ì	1111		11 8	1
Paul Deptford ww K. Nicholas Deptford K. Conwich West H K. Conwich East WHH K.	76782 7901 21972 24608	49 1 16 15	39 5 8 20	11 1 - 2	6 1 4 6	1 151 1		3 -	1111	2 -	2 -	1111	1111	1 -	1 - 2	2 - 2	5 1 11	1 -
tham H K. 10 H K. 10 Wisham WH K. 11 denham H L.	5048 21559 19865 26076	5 11 10 21	2 6 11 12	1 - 4 7	1 5 2 1	1 1 1 1			1111		1111	1111	1111	- 1 1	1	1	- 6 -	1 1 1
arlton H// K, colwich Dockyard K, colwich Arsenal HH K, umstead, West H K, umstead, East W K,	10980 17617 19048 14009 19241	4 5 12 5 21	8 10 5 15	- 2 1 1 5	- 3 4 2 5	11111	11111	- 1 1 1 1	11111	1 1 1	11111	11111	11111	11111	2 1 -	2	1 3	ī
etropolitan Asylum Hospitals:  Dartford w Winchmore Hill w	=	1 4 1	1				1111	1	1 -		111		111	111			ī	111

WORKHOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

Regis-		Area						7	he Di	SHTAS	registe	red in	the W	reek in	nelude			
tration		in Acres,	Enume-		,	Deal	hs of				Deaths	from						2
District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Fore-	rated Popu- lation, 1881.	BIRTHS.	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measion.	Searlet Fover.	Diphtheria.	Whooping-cough.	Forer,	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
		shore.				=	A.	90	-	70	-	-		-	_		-	2
LO	TDON - OUTER RING	370,924	950,957	536	415	102	107	-	5	5	4	14	2	9	7	21	36	6
80:1	Carshalton wZ -	12228	21118	15	3	1	2 4	-	-	- 1		-	-	-	-	3 2	3	-
2	Epsom (part of)* WwH	9971	10710	7	5								_		_	_		ı.
37:1	Godstone (part of) * -	2754	1235	-	-	_				-				1	1	1	8	ı
38:1	Croydon WwEHI - Mitcham w †	20851 11697	101241	56 4	46	9 -	18	-	-	1 -	4	3 -	-	-	-	-	-	ľ
89:1	Wimbledon HHH -	3220	15950	6	6	2	2	-	-	-	1	1	-	-	-	-	-	-
2	Kingston WHH	8549 6601	36854 9221	17	9	8	-	-	-	-	-	-	-	_	-	1 _	-	-
3 4	Esher (part of) * - Hampton H	4578	18589	8	5		3	-	-	-	-	-	-			-	-	ŀ
40:1	Richmond WH	2272	21302	4	4	1	2	-	-	-	-	1	-	1	-	1	1	
41:1	Mortlake Bromley (pt. of) * HH	2941 15669	12331 31142	15	. 8	: 8	1	-	_			1	-	-	1	1	-	
2	Chishrst(pt.of)* WHH	3	15844	5	4	2	1	-			1		-	-		-	-	
42:1	Bexley R -	18437	24134	8 -	6 2	3	8 2		-		-		-	-		-	2	-
124: 1	Dartford (Ww, pts. of)* Sunbury	11055	11688	4	2		2			-	-	-:	-				-	
3	Staines W	18277	12089	3	2	-	- 6		-	-		-	-		-	-	-	-
125:1	Hillingdon WHH -	6029 6178	10802	5	2	1	1 -	-	-			-	-	_	_	-	_	
8	Uxbridge	14587	11528	5	6	1	8	-	-	-	-		-		-	1	-	ŀ
126 : 1	Isleworth WHH	7008	22727 12479	5 7	7	1	5	-	-	-			-	1	-	-		-
3	Twickenham H Brentford HL	2477 4845	27649	9	16	4	5	1-	-		3	1	-	2		2	-	1
4 5	Chiswick	1340	15975 22876	9	3 9	1	5	-	-	_	- "		_	-	1	1	-	1
127:1	Acton wH	13809	12796	4	4	1	-		1	-	-		-	-	-	-	1	
2	Edgware H	6994	3749 27453	26	16	7	-	-	-	-	1	1	-	1	1	2	-	
8	Willesden	4383 8382	10484	7	4	2	1	-	-	-	-	- '	-	-	-	-	-	
137:1	Bushey	9381	6621	4	1	7 -	-	-	-	-	1 -	-	-	-	-	-	-	2
128:1	Watford (W, pt. of) -	15599	6391		1	1		-		-	-	-	-	-	-	-	-	
3	South Mimms Barnet	5483	10092	11	3	1. 7	-	-	-	-	-	-	-	-	-	1	-	
3	Finchiey HL	4688	17615	7	10	1	2		-	-	1						7	
185:1	Hatfield (part of) * - Hornsey H	3089	588 37078	26	15	3	4	-	_	1	1	-	-	-	-	2	-	
2	Tottenham H	4642	46456	43	23	. 3	10	-	-	-	1	1		-	1	2	3	
3 4	Edmonton Ww 1 - Enfield WH	7488 12658	23468 19104	13	12	. 4	1	-	-	-	-	-	-	-	1	1	-	
5	Waltham Abbey	1	5368	3	1	-	-	-	-	-	-	-	-	-	-	1.3	-	
186:1			7785 38606	20	16	5	2	-	-	-	1	1	-	-	-	-	-	1
2	West Ham wwwwH§-	7851	101058	78	77	27	9	-	2	-	2	2	2	2	1	2 2	-	
		4372 6520		_	34 13	6	18	-	1	1	1	1 -	-	1	-	-	-	
197:1	Chigwell (part of) * B	1	9669		2	-	-	-	-		-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	-	-	-		-	
189: 1	Romford (part of) * W	6730 8498			1 4	2	1	, -	-	1	-	-	-		-	-	-	
1		4127			1	1 -	-	1 -	-	1 -	1 -	-	-	-	-	-	-	

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:
30:2, Epsom suc-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 38:3, Esher sub-district, except the parish of Esher (pop. 1265); 11, Bromley sub-district, except the parish of Culama and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chelsfield (pop. 1947); 135:1, the parish of Nortnaw in Hatdlek sub-district; 187:1, Chigwell sub-district, except and parish of Theydon Bois (pop. 876:; 188:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts.

<sup>†</sup> Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

γ Exclusive of deaths of London residents in the Motion Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table δ).

§ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital at Plaistew (see Table 5).

TABLE 7.-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of MORTALITY during the Week ending Saturday, 28th December, 1889.

	Area			L RATE			The DE	ATH	regi	stere	d in t	he W	eek :	inolud	le	_
GREATER	Acres, including	Estimated Population.		O living.	DEATHS from	Deat	ths of			1	Death	s fro	m			Public ions.
LONDON.	tidal water and foreshore.	middle of 1889.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhose.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	,
EATER LONDON	448,334	5,642,015	19.5	3.0	2105	428	594	-	34	19	40	81	17	28	54	436
INNER LONDON . OUTER RING .	77,410 370,924	4,351,738 1,290,277	20°3 16°8	2·0 2·0	1690 415	326 102	487 107	-	29	14	26	67 14	15 2	19	47	400 36

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 30 Foreign Cities, having an estimated Aggregate Population of 16,681,747 Persons.

		obtainated 11g	Property 10	Januarion OI	10,001,747	r erse	ль.					
	POPULATION	DATE			ANNUAL	D	EATH		PRIN DISEAS	ES.	ZYMO	
CITIES.	(enumerated or estimated).	OF RETURN. Week ending	BIRTHS. Exclusive	DEATHS.	DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
LCUTTA	433,219	November 9		187	22.5	1	1 2	-	T_	_	59	48+
MBAY	773,196	,, 26	344	381	21.8	1	1 -		^	_	126	20+
ADRAS	398,777	, 8	327	242	31.2	-	6	_	_	7_	78	40
RIS	2,260,945	December 21	1131	1356	31.2		14	4	24*	8	34	-51
t 8 Faubourgs.)	471,606	», 21	244	208	22.9	-	~	-	-	4	3	13
4STERDAM -	403,083	,, 21	266	201	26.2	-	8	eia.	5	2	3	_
OTTERDAM -	197,728	,, 21	142	94	24.6	-	-		3	-	1	_
IB HAGUE -	153,440	,, 21	82	60	20.3	-		-	_		1	1
PENHAGEN -	807,000	<b>.</b> 21	221	180	30.6	1 -	_	3	6	4	2	4
OCKHOLM -	228,218	, 14	150	139	31.7	-	-	2	4*	_	1	13
TRISTIANIA -	138,300	» 21	65	45	16.9	-	5	-	6	1	_	4
PETERSBURG	842,883	,, 7	F	634	39.2	-	14	21	13	4	10	53
RLIN	1,489,672	,, 7	933	582	19.9	-	2	8	40	7	2	29
AMBURG(State)	575,276	<sub>11</sub> 14	424	263	23*9.	-	3	1	10*	6	6	21
RESDEN	264,196	,, 14	165	107	21.1	-	1	1	3*		-	
ESLAU	315,000	" 21	204	148	24.4	-	1	1	4*	2	-	8
ONICH	281,000	,, 14	222	158	29*2	-	3	1	6*	3	}	. 20
AKKE	811,434	,, 14	516	413	26.5	-	9	2	6	1	1	20
AGUE	304,356	· ,, 14	-	166	€8.2	-	4	3	6	1		2
DA-PESTE -	452,907	n 14	216	258	29.0		1	4	. 15	1	14	18
TRSTE	158,084	ь 14	-	96	· 31°6	1	100	- 1	5*	-	-	. 3
MH	407,936	October 19			-	-	-			- 1	-	-
TRIN (10 days)-	306,398	November 30	236	221	26.3	-	5	-	2	1	8	19
NICE	154.369	December 14	79	128	43.3	20	2	-	3	-	1	12
IRO	374,938	s, 5	452	358	49.8	-	-	-	3*	1	20	100
EXANDRIA -	231,396	., 5	254	175	39.5	1	-	-	1	-	6	41
W YORK -	1,571,300	7	-	661	21.9	-	5	6	19	11	7	19
OOKLYN -	834,607	7	-	310	19.2	-	1	4	28	4	3	1 -
TLADELPHIA -	1,040,245	22 7	-	352	17.7	-	2	5	20	2	14	1
LTIMORE -	500,843	* 7	-	182	19.0	-	-	3	4	3	7	4
			1		1							

<sup>\*</sup> Including deaths from croup.
† Including 16 deaths from cholers in Calcutts, and 3 in Bombay.

TABLE 9. -METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, DECEMBER 28TH, 1889. [Under the Superintendence of the Astronomer Royal.]

		ů l	10	10	10	0.	0	78.0	67	67.53		0 0	e ದೃವ ಕ್ಷಾ	8.574	ıt ic	pu 🛦	the The	ng .	₩ e	n.
	-	9 18 2	.4	1.5	4.5	2.0	0.0	0			27	the sea; no	cussio er, an	the alleduce	graph	r," and	rd, an om th r. Th	ıg; and	nt, sho g to ti	29 - 39 1
Rain	in a Gauge whose	surface is 5 inches above the Ground.	in. 0°50	0.00	11.0	00.0	0.00	0.00	00.0	19.0 19.0	26	vel of the sea; no	m a disparent	re of y are d	e photontal mo	"highe	Deptionions fro	s. stroi	applyin	veek to
1	m's.	Depar- ture from Average of 16 Years.	Miles. + 67	- 21	+138	-103	-203	+ 28	-141	Sum -235	25	an level	uced fro for the l orrected	temperature of the air of humidity are deduced ers by Glaisher's Hygro-	nof the horizor	dicates	nstructi ng Elect	derate;	tood as	rof the v
	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	282	489	197	. 16	329	191	Sum 1877	24	e the mes el.	tions ded ling 1873 7 ith the c	ue of te	discussion distributed of the transfer of the	that + in	attle Ma under i registeri	; m. mo	kes Suns	6 in. at the beginning
ometers	1	an St	lbs.	0.1	0.1	0.0	0.0	₩.0	0.1	:	98	t abov	correctives end	the mean daily value of temperature and degree and wet bulb thermomet	ses, an	pended	arket,	weak.	re to b	t the
Anema	Pressure on the	Least. ho	lbs. 1	0.0	0.0	0.0	0.0	0.0	0.0	:	23	159 fee ace to and and and and and and and and and and	ion of a try yes	an dai	rived fa	ne in i	he For the M orason	Ve; W.	ampbe h day. ions al	46 in.
ced fron	Pressu	Great. Le	lbs. 1	1.5	00	8.0	0.0	0.3	00	:	21	to reduce to	pplication twenty of the twenty	e mes	ears er	be bor	ss of trik of om Tr	negati	the Con eacoservat	rom 20
Wind as deduced from Anemometers	Osler's.		WSW. & W.	-	W.	SSW.	WSW.& NE.	ENE. & NE.	ENE. &NNE.	ENE.	20	of the baromethe readings ken at 9h. A.M	the ary bulb lues by the al ade during the ng 1868 for the	s, forming the development of the dry a	f the air is the uring the 20 y	ater of the Th	of the jettic I by the Cle is derived fr	positive; N. negative; w. weak; m. moderate; s. strong;	derived from ght sunshine eorological of midnight.	19th uny, 11 the harvened from 29.46 in. at the beginning of the week to 29.39 in.
	O O	A.M.	SW. & WSW.		SSW.	W. & WSW.	SW	ENE. I	ENE. & E.	WSW.	19	The height of the cistern of the barometer is 169 feet above the mean level of correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h. A.M., 1000n; 3h. F.M.; and 9h. P.M. The months are usually taken at 9h. A.M., 1000n; 3h. F.M.; and the work hall, thousand	eye-readings of the barometer, the dry built interluducer, and the web our internometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1878 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading	of the dry bub Lhermometers, forming the mean daily value of temperature of the air and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily deep point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-	metrical tables a temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 50 years ending 1985, and that of horizontal movement can made at Greenwich during the 50 years ending 1985, and that of horizontal movement can be a discussion of the anomometric records for the 15 years ending 1875.	Into an intuit anaetassories and 25 it will be borne in mind that + indicates "higher;" " \[ \lambda \] for each man average. \[ \lambda \] over \[ \lambda \] for the Thames are suspended at a depth of two feet by the Thermometers in the water of the Thames are suspended at a depth of two feet by	the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.  The record of Electroity is derived from Thomson's self-registering Electrometer. The	yed are :- P.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day. The results of all the meteorological observations are to be understood as applying to the standard of the meteorological observations are to be understood as applying to the standard of the continuity of the standard of the s	of the paromet
	Water	Low-	0:	:	:	1:	:	:	:	:	18	ght of has bottions	ngs of the into tographe twen	mum 8). Thean	erage t	ling the	dings ion of	emplo	egate o	ading a
TEMPERATURE	Of the Water of the Thames	High- cst. est.	0 :	:		:	:	:	:	1:	17	he hei rection bserva	reading the pho	of the dry bu and minimu (column 8). from the me	The av	In read	eir rea	symbols en	The nu	Tho res
MPER.		Lowest on the Grass.	0.04	36.4	0.65	24.0	0.76	30.2	20.4	29.2	16	COL	eye con of t	in of in or	g 2°		H SEPP.	8y	th th	3.
T	Of Radiation	High- est in Sun's Rays.	0 22.4	61.2	0.22	89.8	14.1	42.5	39.3	48.4	15			afternoon	ess gene-	nd foggy	fog		foggy with	
	Degree of Hu-		92	16	06	95	94	98	200	06	14	KS.		till	cloudle	gloomy, and Hoar frost.	dense			
Ween		Least.	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.3	13	GENERAL REMARKS	t rain.	ry fine	afternoon; cloudless	udy, gle	afternoon;		Overcast till evening; cloudless and hoar frost at night.	
ence het	the Air Temperature and Dew Point Temperature.	Great- est,	0.4	6.0	6.2	5.3	4.9	6.5	6.9	100	12	AL RE	frequen	ng; ve	till aft	ng; clores at ni	in after		ng; ele	
Diffor		Mean daily value.	0	67	2.6	1.3	1.1	e0 e0	80	2.2	17	ENER.	ereast;	mornii ast afte	rain	morni	gloom i		eveni)	
	Of the Dew		0 6.47	1 00	42.9	34.6	35.3	32.5	26.0	37.3	10	5	Generally overcast; frequent rain.	Cloudless in morning; very generally overcast afterwards.	Overcast with rain	Cloudless in morning; cloudy, afternoon. Cloudless at night.	18.6 2.8 3.8 3.8 3.8	cast.	cast till	
E.		De- parture from verage of	0 +				- 2.1	0.8 -	0.6	4 0.4	6		Gener	Cloud	Overd rally af	Cloudless i	Overca evening.	Overcast.	Over hoar fr	
TEMPERATUR	ir.	Mean daily value.	0.07	45.2	45.5	35.9	37.0	98.0	29.3	39.8	00	above rrizon, hours.	2.2	2.2	2.4	2.2	8.2	00.	00	Sum
TEMPE	Of the Air.	Daily Range.	0 %	7.6	14.8	6.5	1.6	8.4	% ° %	00	2	Registered Sun above Sunshine, Horizon, in hours. in hours.		,						-
		Low-	0 11	9.17	37.3	82.7	82.0	52.1	25.2	6.28	9	Registe Sunshi in hou	0.0	67	0.0	0.0	0.0	0.0	0.0	Sum
		High-	0 0	0.50	52.1	88.9			33.6	44.0	100	f. ii of te.)	gene-	nt .	t uoou	ning;	A.M.;	ut .	rning;	
BARO-	Mean daily	reading (cor- rected and re- duced to 32° Fahren-	in.			30.315	30.396	80.256	\$0.08	29.992	4	ELECTRICITY. (For explanation of symbols, see Note.)	v. P. and v. N. generally.	m. P. thrqughout	w. P. till afternoon; m. P. afterwards.	m. P. in morning; s. P. afterwards.	s. P. till 9h. A.M.; m. P. till 8h. P.M.; s. P. afterwards.	m. P. throughout	w. P. in morning;	
	Phases	of the Moon.	1	erigee.	Greatest Dec. S.				:	:	et	ELE (For e)	v. P. al	m. P. t	w. P. 1	m. P.	8. P. m. P. s. P. s. P. s. P. s. P.	т. Р.	v. P. aft	
1		8	- B	27 00		, S	26	27	88	1		-	53	53	21	53	98.	55	88	
	1889.	Monte and Day.	DECEMBER.	Tron.	Trres.	WED.	THURS.	FRI.	SAT.	MRANS	No. of Col.	DATE. DRCEMBER.	SUNDAY .	MONDAY .	TUESDAY .	WEDNESDAY	THURSDAY.	FRIDAT	SATURDAY .	







